

AD-A113 227 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
LAJES AB, AZORES. REVISED UNIFORM SUMMARY OF SURFACE WEATHER OB--ETC(U)
NOV 81
UNCLASSIFIED USAFETAC/DS-81/103 S81-AD-F850 143 NL

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LAJES AB, AZORES. REVISED UNIFORM SUMMARY OF SURFACE WEATHER OB--ETC(U)
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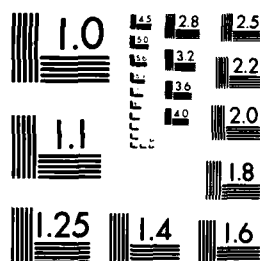
SBI-AD-E850 143

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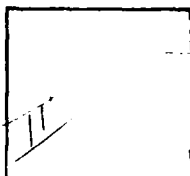
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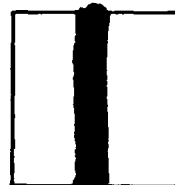
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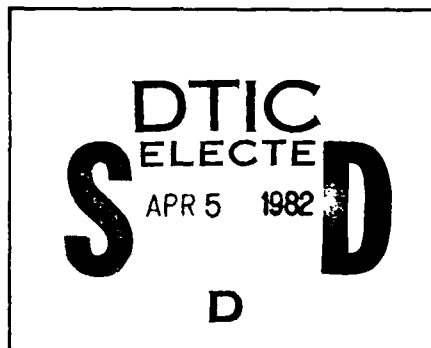
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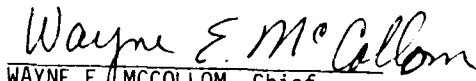
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USAFETAC/TST

FOR THE COMMANDER


WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

U.S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are to be made at each hour of the day, except on days when no observations are made.

DAILY OBSERVATIONS

Observations are to be made at each hour of the day, except on days when no observations are made.

DESCRIPTION OF SUMMARIES

Summary of observations is to be made at each hour of the day, except on days when no observations are made.

Summary of observations is to be made at each hour of the day, except on days when no observations are made.

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

Summary of observations is to be made at each hour of the day, except on days when no observations are made.

MISSING HOUR GROUPS

Summary of observations is to be made at each hour of the day, except on days when no observations are made.

1st	2nd	3rd	4th
5th	6th	7th	8th
9th	10th	11th	12th

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WMO NUMBER
13201	LAJES FLD AZORES/TERCEIRA	N 38 46	W 027 06	180	LPLA	08509

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE NSL		OBS PER DAY
			FROM	TO			FIELD (FT)	MT. BARO.	
1	Lagens AAF Azores	AAF	Jan 44	Aug 47	N 38 45	W 027 05	171	173 Ft	24
2	Same	Same	Sep 47	Jun 48	Same	Same	176	176 Ft	24
3	Lajes Fld Azores	AF	Jul 48	Mar 53	Same	Same	189	177 Ft	24
4	Same	Same	Apr 53	Mar 58	Same	Same	Same	Same	24
5	Same	Same	Apr 58	May 59	Same	Same	186	Same	24
6	Same	Same	Jun 59	Apr 61	Same	Same	190	176	24
7	Same	Same	May 61	May 80	N 38 46	W 027 06	180	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 44	Located in middle wing of operations bldg	Ane-mometer	N/A	28 Ft	
2	Jul 48	1. Located on top of terminal bldg 2. Located side of wind sock along rnwy 16 & 34	Selsyn AN/GMQ-1	ML-144 ML-204B	65 Ft 30 Ft	
3	Mar 55	1. Located on top of hydrogen shelter	AN/GMQ-1	ML-204B	25 Ft	
4	Sep 56	1. Same 2. Located on the W side of rnwy 16 & 34	Same AN/GMQ-1	Same RO-2	Same 13 Ft	
5	Jun 58	1. Located on approach end rnwy 34 2. Located on approach end of rnwy 16	AN/GMQ-1 Same	RO-2 Same	30 Ft 10 Ft	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF OCCURRENCE OF WEATHER
CONDITIONS FROM LOCAL OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1	-		.1				7.1	.1	.1			.1	1
2	-	.1	.1				7.1	.1	.1			.1	1
3	-	.1	11.1				11.1	.1	.1			.1	1
4	-		10.1				10.1						1
5	-		10.1				10.1		.1			.1	1
6	-		.1				9.1		.1			.1	1
7	-	.2	11.1				11.1		.1			.1	1
8	-	.1	10.1				10.1		.1			.1	1
9	-												
10	-												
11	-												
12	-												
TOTALS		.1	10.1				10.3	.1	.1			.1	7.4

ORIGINAL DATA SOURCE: 1. SYNOPSIS DATA

WEATHER CONDITIONS

STATION 7-1 STATION NAME 7-1 YEARS 7-1 MONTH 7-1

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
7-1	1-1	.1	13.1			.1	13.1		.7			.7	40
7-1	1-1	.1	13.1			.1	13.1	.1	.7			.8	40
7-1	1-1	.1	13.1			.1	13.1	.1	.4			.5	40
7-1	1-1	.1	13.1				13.1	.1	1.3			1.3	40
7-1	1-1		13.7				13.7	.4	1.3			1.3	40
7-1	1-1	.1	13.1			.1	13.1		1.3			1.3	40
7-1	1-1		13.1				13.1	.4	1.3			1.3	40
7-1	1-1	.1	13.1				13.1	.4	.7			1.2	40
TOTALS		.1	13.2			.1	13.2	.5	1.3			1.3	671

1. INITIAL DATA RECORDS IN SYNOPSIS CODES

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 01-01-2001 BY 60322

WEATHER CONDITIONS

STATION CHURCH A. A. STATION NAME 71-57 YEARS 14 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1-1	0-1		10.0				10.0	.0	.0			1.0	100
2-1	0-1	.1	1.7				2.7	.4	.1			1.0	100
3-1	0-1		10.0				10.0	.0	.0			1.0	100
4-1	0-11	.1	11.0				11.0	1.0	1.0			1.0	100
5-1	12-14	.1	10.0				10.0	.6	1.0			1.0	100
6-1	15-17	.1	11.0				11.0	.3	1.0			1.0	100
7-1	18-20	.1	10.0				10.0	.1	1.0			1.0	100
8-1	21-24		10.0				10.0	.1	1.0			1.0	100
TOTALS		.1	10.0				10.0	.0	1.0			1.0	700

ORIGINAL DATA RECORDED IN SYNOPSIS CODE

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	1-5		5.0				9.0	.0	0.0			0.0	100
	6-10		11.0				11.0	.7	1.0			0.4	100
	11-15	.1	10.0				10.0	.0	1.0			0.1	100
	16-20	.1	0.1				0.1	.1	1.0			0.2	100
	21-25		.0				.0	.0	2.0			0.0	100
	26-30		5.0				5.0	.4	0.0			0.0	100
	1-31		10.0				10.0	.4	3.0			0.0	100
TOTALS		.0	10.0				10.0	.4	2.0			0.0	700

ORIGINAL DATA RECORDED IN SYNOPSIS CODE

Journal of Management Education 30(6)p.789-804
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MONTH

THE UNITED STATES DEPARTMENT OF STATE
WASHINGTON, D. C. 20520

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
	1 -		5.0				5.0	.4	1.0			.4	1
	1 -		7.0				7.0	.4	1.0			1.0	1
	1 -		7.0				7.0	.4	.0			.4	1
	1 - 1.1		5.0				5.0						1
	1 - 1		4.0				4.0	.1	.0			1.1	1
	1 - 1.7		4.0				4.0	.1	.0			1.0	1
	1 -		5.0				5.0	.1	1.0			1.0	1
	1 - 2		6.0				6.0	.2	1.0			1.0	1
TOTALS			5.0				5.0	.2	.0			1.0	744

FINAL DATA PRESENTED IN SYNOPSIS UNIT

WEATHER CONDITIONS

STATION

STATION NAME

11-

YEARS

MONTH

1. MONTHLY SUMMARY OF OCCURRENCE OF WEATHER
CONDITIONS FOR ANNUAL PERIOD

MONTH	HOURS (EST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1	1-1		1.7				1.7	1.1	3.8			4.8	1.1
2	1-1		1.7				1.7	1.1	3.8			4.8	1.1
3	1-1		1.7				1.7	1.1	3.8			4.8	1.1
4	1-1		1.7				1.7	1.1	3.8			4.8	1.1
5	1-1		1.7				1.7	1.1	3.8			4.8	1.1
6	1-1		1.7				1.7	1.1	3.8			4.8	1.1
7	1-1		1.7				1.7	1.1	3.8			4.8	1.1
8	1-1		1.7				1.7	1.1	3.8			4.8	1.1
9	1-1		1.7				1.7	1.1	3.8			4.8	1.1
10	1-1		1.7				1.7	1.1	3.8			4.8	1.1
11	1-1		1.7				1.7	1.1	3.8			4.8	1.1
12	1-1		1.7				1.7	1.1	3.8			4.8	1.1
TOTALS			1.7				1.7	1.1	3.8			4.8	7.1

1. MONTHLY SUMMARY OF OCCURRENCE OF WEATHER
CONDITIONS FOR ANNUAL PERIOD

1

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

INTERVAL & PERCENTAGE OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
1-12	0-23		4.4				4.4	.1	2.7			.2	100
	-	.4	0.0				0.0	.0	2.0			1.0	50
	-	.4	0.0				0.0	.0	2.0			.0	50
	1-11	.1	0.0				0.0	.0	1.0			.0	20
	12-11		0.0				0.0	.0	1.0			1.0	50
	12-17		0.0				0.0	.1	3.1			.2	50
	1-17	.1	0.0				0.0	.1	3.1			1.0	50
	1-27		4.0				4.0		2.7			.2	100
TOTALS		.4	4.0				4.0	.1	2.7			1.0	100

ORIGINAL DATA REPORTED IN SYNOPTIC CODE

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

1. CLIMATE DATA, IN ORDER OF OCCURRENCE, OF WEATHER
CONDITIONS, FOR MONTHLY PERIODS.

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1-1			5.7				5.7		1.1			1.1	1
1-2			4.3				4.3		1.1			1.1	11
1-3		.2	1.4				1.4		.1			.1	10
1-11		.2	4.7				4.7		1.1			.1	11
1-15		.2	5.8				5.8		1.1			1.1	17
1-17		.1	5.7				5.7		1.1			1.1	10
1-20		.2	5.7				5.7		1.1			1.1	11
1-21		.2	4.3				4.3	.1	1.1			1.1	11
TOTALS		.2	4.3				4.3	.1	1.1			1.1	74

ORIGINAL DATA REQUIRED IN SYNOPTIC DATA

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
	1-1	.2	1.7				6.7	.1	1.1			1.7	1.7
	2-1		7.6				7.4	.1	.			1.1	1
	3-1		1.7				6.7	.3	1.1			1.4	1.02
	-11		1.7				6.7	.1	1.1			.	1.0
	12-14	.2	1.7				1.2	.3	1.1			1.7	1.07
	15-17		1.7				6.7	.2	1.4			1.7	1.7
	18-20		1.7				6.		1.1			1.1	1.1
	1-21		1.7				7.1	.2	.			1.1	1.02
TOTALS		.1	1.6				6.6	.1	1.7			1.4	12.7

ORIGINAL DATA RECORDED IN SYMPTIC CODE

WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

ORIGINAL DATA LOGGED IN SYNOPTIC CLIP

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
	-	.5	1.0				10.3	.1	1.1			1.0	27
	-		1.4				10.4	.1	.4			.1	27
	1-10	.2	11.7				11.3	.2	.3			.3	700
	11-11		5.0				5.1	.1	1.3			1.3	37
	12-1		7.0				7.0		1.5			1.5	35
	12-12		1.7				5.7		2.0			1.0	35
	1-1	.2	.1				3.1	.2	1.5			.1	27
	1-12	.2	10.1				10.1	.1	1.0			1.0	62
TOTALS		.1	.1				4.3	.2	1.7			1.0	744

ORIGINAL DATA LOGGED IN SYNOPTIC CLIP

WEATHER CONDITIONS

STATION 11-11 STATION NAME 11-11 YEARS 11-11 MONTH 11-11

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH
CONDITION FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
1-11			1.1				1.1	1.1	1.1			1.1	1.1
2-11		.1	1.1				1.1	1.1	1.1			1.1	1.1
3-11		.1	1.1				1.1	1.1	1.1			1.1	1.1
4-11			1.1				1.1	.1	1.1			1.1	1.1
5-11		.1	1.1				1.1	.1	1.1			1.1	1.1
6-11		.1	1.1				1.1	.1	1.1			1.1	1.1
7-11		.1	1.1				1.1	.1	1.1			1.1	1.1
8-11		.1	1.1				1.1	.1	1.1			1.1	1.1
9-11			1.1				1.1	1.1	1.1			1.1	1.1
10-11			1.1				1.1	1.1	1.1			1.1	1.1
11-11			1.1				1.1	1.1	1.1			1.1	1.1
TOTALS		.1	1.1				1.1	.1	1.1			1.1	1.1

PERCENTAGE DATA BASED ON SYNOPSIS DATA

WEATHER CONDITIONS

STATION

STATION NAME

71-0

YEARS

MONTH

DATA FOR WEATHER RECORDING OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
	1-11		11.7				11.4	.1	.1			.1	11.7
	1-11	.1	12.7			.1	12.4						12.7
	1-11		11.7				12.4						12.7
	1-11		12.7				12.4	.1	.1			.1	12.7
	1-11	.1	12.7				12.4	.1	.4			.1	12.7
	1-11	.1	11.1				12.1		.1			.1	11.7
	1-11		12.7				12.4						12.7
	1-11		12.7				12.4	.1	.1			.1	12.7
TOTALS		.1	12.1			.1	12.1	.1	.1			.1	12.1

ADDITIONAL DATA PROVIDED IN SYNOPSIS ONLY

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

FOR USE IN THE RECORD OF OCCURRENCE OF WEATHER
CONDITIONS BY MONTHLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBS: TO VISION	TOTAL NO OF OBS
	000	.1	1.0				10.0	.1	.0			.1	700
		.1	1.0			.1	10.0	.1	1.0			1.0	701
		.1	1.0				10.0	.1	1.0			1.0	700
		.1	1.0				10.0	.1	2.0			1.0	701
			1.0				10.0	.1	.0			1.0	700
			1.0				10.0	.1	1.0			1.0	701
		.1	4.0				4.0	.1	1.0			1.0	701
		.1	4.0				4.0	.1	1.0			1.0	701
		.1	1.0				1.0	.1	1.0			1.0	701
		.1	1.0				1.0	.1	1.0			1.0	701
		.1	1.0				1.0	.1	1.0			1.0	701
		.1	1.0				1.0	.1	1.0			1.0	701
TOTALS		.1	1.0			.1	10.0	.1	1.0			1.0	701

FOR USE IN THE RECORD OF OCCURRENCE OF WEATHER

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

WEATHER CONDITIONS

ATMOSPHERIC PRECIPITATION

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

FOR RECORD WITH VARIOUS ATMOSPHERIC CONDITIONS
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	11.2	2.0	1.0		.1	2.1	11.0	4.0	3.7			7.0	1.07
FEB		2.0	2.0		.1	2.7	7.0	4.0	2.0			1.0	1.01
MAR		1.0	2.0		.1	1.0	7.0	4.0	5.0			.7	1.04
APR		.5	2.0			.5	15.0	4.0	9.0			17.0	1.02
MAY		.5	2.0			.5	41.0	6.0	7.0			1.0	1.02
JUN		.5	2.0			.1	20.0	10.0	7.0			1.0	1.01
JUL		1.0	2.0				52.0	2.0	4.0			.5	1.05
AUG		1.0	2.0			.1	50.0	2.0	4.0			.5	1.04
SEP		1.0	2.0				44.0	2.0	1.0			.5	1.02
OCT		1.1	2.0			.1	74.0	4.0	4.0			7.0	1.02
NOV		2.0	2.0			.1	75.0	6.0	1.0			.5	1.02
DEC		1.0	2.0		.5	1.0	70.0	5.0	2.0			7.0	1.01
TOTALS		1.0	2.0		.5	.2	50.0	5.1	5.0			7.0	1.02

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

3
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE AAL

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

11231 STATION NAME 44-51 YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	2001-5000	OVER 5000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0.4	05 1.4	15 2.4	25 3.4	35 4.4	45 5.4	55 10.4	105 15.4	155 25.4	255 50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4	6	7-12	13-24	25-36	37-48	49-60	61-70	OVER 70					
JAN	17.5	17.5	5.7	13.6	6.4	13.2	11.5	9.1	3.1	.5					61.6	1116	5.7	13.7	1.17
FEB	10.4	15.4	5.4	13.9	7.4	15.4	11.7	5.3	4.2	.2					61.4	1312	5.4	13.6	1.17
MAR	23.7	14.7	4.5	13.1	.1	11.6	9.4	8.7	7.7	.3					57.7	1342	5.4	13.2	.58
APR	12.1	21.6	6.1	12.8	7.2	11.2	5.2	4.7	1.4						46.3	1340	5.4	13.2	.77
MAY	15.7	25.4	4.4	13.6	7.4	7.3	3.1	1.5	1.2						71.9	1116	1.51	4.74	.13
JUN	10.4	24.5	6.5	13.5	7.4	5.1	2.9	1.2	1.2	.2					36.1	1354	1.76	5.77	.27
JUL	47.5	22.2	4.7	12.5	4.4	5.1	3.2	1.7	.9	.3					37.5	1116	1.73	5.76	.1
AUG	42.5	21.7	4.7	12.5	4.4	5.2	3.1	2.2	.7	.1					36.5	1116	1.77	5.47	.17
SEP	24.7	22.1	5.7	11.6	6.7	5.4	5.6	2.7	2.5	.2					43.7	1343	1.21	4.24	.32
OCT	27.1	23.1	4.8	12.2	5.2	11.7	9.7	5.5	3.1	.3	.1				56.4	1147	5.23	13.51	1.77
NOV	17.5	23.6	5.5	13.3	4.4	12.4	8.1	6.4	3.7	.3					56.1	1380	5.56	14.52	.55
DEC	17.5	17.5	7.5	14.6	9.1	12.7	7.3	3.2	3.5	.5	.1				54.7	1116	5.55	15.3	.57
ANNUAL	17.5	21.5	5.5	13.2	7.1	9.6	6.4	4.5	7.7	.2	.1				49.4	1311	4.53		

ALPHABETICALLY BY AREA

STATION

STATION NAME

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

STATION

STATION NAME

44-11

YEARS

PRECIPITATION AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
44					1.40	.1	.45	.57	1.47	.94	1.73	.	
4		.3	1.1	1.34	.62	.92	.11	.72	1.52	.92	.	.	
4										.5	.32	1.5	
4		.31	.71	.37	.17	.19	2.13	1.81	.31	1.24	2.74	1.	
4		.33	1.71	.23	1.41	1.08	.46	.4	1.34	2.27	1.23	1.7	
4		1.4	.41	.3	.27	1.72	.54	1.19	1.64	2.41	1.2	1.71	
4			.87	.15	.55	.49	.77	.33	.34	2.32	1.12	1.1	
1		1.1	2.11	1.54	1.32	1.19	4.43	.27	.52	3.11	.31	.72	
1		.4	2.44	.46	.53	1.22	2.54	.44	1.83	.17	.1	2.31	
1		.64	.71	1.72	.24	.31	.74	.42	1.41	1.27	.61	.22	
1		.11	.37	1.12	.72	.46	.1	.23	.7	.37	.36	.67	
5		1.22	.62	.25	.94	.11	.41	1.32	.43	2.31	.72	1.2	
5		1.32	.41	.67	1.22	.33	.79	.43	1.77	2.33	1.62	.47	
5		1.51	.39	1.21	1.17	.26	.59	.94	1.34	1.22	2.22	1.31	
5		.14	1.51	1.	1.41	1.57	.55	.49	1.34	1.37	.93	1.12	
5		1.51	1.3	1.4	.62	2.27	.22	.56	.11	2.21	1.12	.42	
5		1.33	2.88	.97	1.55	.57	.31	.12	1.17	1.37	1.24	1.11	
5		.32	1.31	1.29	1.14	.53	1.59	.34	1.54	1.25	1.3	1.37	
5		.7	.76	2.45	1.75	1.74	1.06	.61	.67	1.37	1.77	.95	
5		1.4	.72	1.4	.11	1.44	.71	.37	.41	3.39	.93	.72	
5		1.4	3.26	.57	.77	.83	.49	1.32	.31	1.3	.7	2.11	
5			1.81	.73	.35	.33	.43	.61	.36	.34	.75	2.32	
6		1.3	1.55	.17	.71	.37	.33	.32	.75	.47	2.26	1.3	
6		1.0	.36	.3	1.34	2.27	.41	1.32	.22	.3	.41	2.11	
6		1.3	1.37	.71	.36	.83	.77	.13	1.13	1.37	1.56	1.73	
6		.12	1.66	.11	.14	.63	.37	.36	.63	.37	.25	.17	
6		1.3	1.44	2.25	1.7	1.02	.14	.38	.77	1.31	1.22	2.25	
11		2.3	1.39	1.3	.41	.22	1.07	1.04	.29	2.83	1.93	.11	
11		2.4	.83	1.7	.4	.24	.11	.62	.25	2.35	1.36	.35	
11		1.31	1.44	1.35	1.12	.2	2.61	.27	.43	1.12	1.5	.33	
MEAN													
S.D.													
TOTAL OBS													

NOTE: * BASED ON LESS THAN FULL MONTH(S)

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

EXTREME VALUES

PL: CRYSTAL: 1

FROM DAILY OBSERVATIONS

STATION	STATION NAME
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44 -

YEARS

24 HO - AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	1.41	.28	1.34	1.75	.40	.72	.25	.5	.41	2.32	.67	.81	1.37
2	2.2	.8	.76	.42	.14	1.21	.74	.73	.62	1.34	.32	2.62	2.92
3	1.73	.64	.42	.45	.21	2.45	1.45	2.45	2.17	1.27	1.99	1.1	2.45
4	1.7	1.55	1.52	.31	.24	1.77	.43	.7	1.21	.75	2.26	2.1	2.53
5	.3	1.41	.31	.3	.29	.73	.26	.91	.1	2.3	1.79	1.71	1.37
6	1.7	1.45	1.77	1.42	1.12	.42	.43	.57	.64	.74	1.42	.71	1.45
7	.5	1.49	1.43	2.11	.79	.47	.56	.76	.9	.68	1.94	1.73	1.11
8	.7	1.29											
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	1.44	1.37	1.33	.754	.663	.818	.747	.752	1.13	1.597	1.36	1.42	1.263
S D	.723	.716	.822	.39	.507	.741	.926	.671	.773	1.489	.728	1.132	1.349
TOTAL OBS	1111	1002	1032	1080	1116	1169	1116	1116	1181	1147	1583	1118	1211

USAF ETAC

FORM
JUL 64

0-88-5 (OL A)

CLIMATE DATA
STATION 55710 1941

EXTREME VALUES

MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

STATION 55710 1941

STATION NAME

14-11

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
14				1.14	3.18	.89	2.91	.75	1.14	2.67	2.21	1.7	
4	1.32	1.47	1.61	1.03	3.23	1.07	.32	1.6	1.24	4.16			
4										4.9	2.84	6.23	
17	6.2	1.2	6.23	.77	.79	.93	4.13	4.13	1.0	7.79	3.82	4.51	1.47
1	.24	6.16	1.67	1.24	2.26	1.13	1.73	2.8	3.6	6.7	3.66	5.3	1.5
1	1.2	7.88	1.54	1.75	3.42	.92	1.2	4.52	4.79	7.71	2.31	6.34	13.14
1	2.3		2.77	1.35	1.24	1.73	1.36	1.66	1.42	6.43	6.7	4.2	
1	1.2	3.4	6.83	6.31	2.83	3.53	5.56	1.01	2.12	6.11	2.61	1.14	1.22
1	7.12	11.35	.67	1.46	1.19	1.6	6.94	1.53	4.83	2.84	2.51	.1	1.2
1	6.33	1.35	6.23	4.13	.24	.52	.2	1.01	2.41	4.33	2.4	.2	2.2
1	4.	.46	1.31	2.77	2.22	.72	.36	.59	.32	1.72	.92	1.4	2.12
5	2.14	2.47	2.3	1.7	1.27	.34	.86	2.13	1.21	4.75	4.51	2.4	7.2
5	.67	7.35	2.42	3.61	.41	.23	.57	1.1	3.24	2.87	6.14	1.7	17.27
21	1.42	9.37	2.87	2.12	.13	1.41	2.25	1.35	5.13	2.61	11.32	2.51	13.52
1	4.55	6.7	6.35	4.13	4.76	.99	1.13	1.33	3.47	3.1	4.1	2.2	47.28
1	2.1	3.2	6.31	2.4	2.6	.44	1.22	.73	6.12	4.87	4.86	1.6	3.52
1	1.55	1.87	2.24	3.17	3.14	1.48	.44	3.73	1.74	2.36	2.27	1.7	47.0
1	4.7	5.86	1.26	3.55	1.34	1.79	.16	2.22	2.57	4.2	2.12	13.1	1.47
1	2.65	.22	10.45	2.9	4.74	1.53	1.23	1.79	2.73	5.67	1.58	2.11	42.7
1	7.26	3.39	2.24	5.56	.41	3.67	2.03	.20	1.81	9.11	4.11	5.76	10.2
4	6.6	13.5	.78	1.12	2.12	1.72	2.82	1.95	2.86	4.27	7.70	4.16	2.45
5	2.17	2.21	4.34	1.6	.63	.66	.81	1.4	2.67	3.67	12.14	11.42	52.45
6	13.36	13.86	2.23	4.23	.95	.92	1.34	2.33	1.93	17.53	3.24	2.6	59.49
67	6.45	1.24	.66	1.67	.12	4.13	.97	4.29	1.14	2.84	2.47	15.3	346.21
67	5.75	5.75	6.82	7.3	.83	2.22	1.74	.49	1.21	6.53	6.91	4.36	49.12
6	11.75	6.33	10.62	1.73	1.44	.71	.69	1.21	.83	2.31	2.36	.63	41.73
1	10.36	3.46	7.24	4.23	1.39	.83	1.12	2.56	4.5	4.67	6.48	5.14	13.4
1	1.1	4.33	1.23	1.73	.8	1.49	1.56	.92	7.3	6.68	.65	6.22	44.1
1	3.64	4.57	4.19	1.5	.71	.3	2.76	1.25	7.56	5.32	1.51	.73	47.29
1	7.84	2.33	3.77	6.45	2.87	3.5	1.16	.61	2.11	3.63	3.63	7.17	43.22
MEAN													
S D													
TOTAL OBS													

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

U.S. AIR FORCE
 AIR WEATHER SERVICE
 AIR WEATHER SERVICE/MAC

EXTREME VALUES MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

1-2-1
 STATION

LAKE A A

STATION NAME

64-1

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1	4.21	1.2	4.35	2.35	1.48	2.56	.82	1.13	.81	13.81	7.71	3.74	45.46
2	4.28	4.56	4.25	1.27	.56	2.55	2.52	2.13	2.23	5.66	4.43	5.2	44.19
3	4.2	4.23	2.37	1.71	1.29	4.64	4.22	5.47	4.82	2.35	4.25	4.87	45.64
4	7.35	1.22	.11	2.11	1.26	5.23	1.4	.6	9.24	2.3	1.94	7.6	51.12
5	1.1	.25	2.38	1.43	1.01	1.34	.71	2.83	.57	9.72	1.14	1.19	44.17
6	3.1	2.85	2.23	2.58	2.20	1.51	1.14	1.31	1.86	3.47	5.16	2.93	42.13
7	3.73	6.26	6.44	5.6	2.55	.89	1.61	2.23	2.84	7.75	10.99	3.1	63.77
8	1.63	4.75											
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MEAN	5.95	5.441	5.37	3.751	1.313	1.757	1.732	1.773	3.211	.223	5.757	5.245	45.274
S D	2.810	3.324	2.664	1.928	1.176	1.345	1.487	1.232	2.124	2.654	3.257	3.415	3.093
TOTAL OBS	111	1002	1.22	1030	1116	1.69	1116	1116	1.83	1147	1090	111	13119

NOTE: * BASED ON LESS THAN FULL MONTHS

USAF ETAC

FORM
 JUL 64

0-88-5 (OL A)

34

PERCENTAGE FREQUENCY OF
(FROM ^{S.A. & ALL} DAILY OBSERVATIONS)

STATION

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01.04	0.514	1.524	2.534	3.544	4.564	6.5104	10.5154	15.5254	25.5304	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4.6	7.12	13.24	25.36	37.48	49.60	61.720	OVER 120					
JAN	2.0	.1												100.5	TRACE	TRACE	.1	
FEB	2.7	.2												94.1	TRACE	TRACE	.1	
MAR	9.0	.1												101.3	TRACE	TRACE	.1	
APR	10.0													100.5	.0	.0	.1	
MAY	10.0													101.4	.0	.0	.1	
JUN	10.0													100.9	.0	.0	.1	
JUL	10.0													101.4	.0	.0	.1	
AUG	10.0													101.4	.0	.0	.1	
SEP	10.0													100.0	.0	.0	.1	
OCT	10.0													100.5	.0	.0	.1	
NOV	10.0													100.0	.0	.0	.1	
DEC	2.0	.2												100.0	TRACE	TRACE	.1	
ANNUAL	9.0	.1												100.0	.0	.0	.1	

U.S. AIR FORCE CLIMATOLOGY BRANCH
 10111
 AT FORT LA SALLE, ILLINOIS

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME: LA SALLE, ILL. STATION NUMBER: 46-11 YEARS: 1951-1955

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1													
2													
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100													
MEAN													
S D													
TOTAL OBS													

NOTE: * (BASED ON LESS THAN FULL MONTHS)

U.S. AIR FORCE
 AIR FORCE CLIMATE DIVISION
 WASHINGTON, D.C. 20330
 AIR FORCE DATA SERVICE/AFAC

EXTREME VALUES

SN 1941

FROM DAILY OBSERVATIONS

STATION 46-11

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
77	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
78	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
79	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
80	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
81	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
82	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
83	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
84	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
85	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
86	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
87	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
88	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
89	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
90	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
91	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
92	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
93	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
94	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
95	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
96	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
97	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
98	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
99	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
00	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
MEAN	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
S.D.	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE	TRACE
TOTAL OBS	105	961	1053	1020	1054	1009	1054	1054	1020	1055	1050	1050	12537

NOTE: * BASED ON LESS THAN FULL MONTHS

USAF ETAC FORM 0-88-5 (OL A)

U.S. AIR FORCE CLIMATE DIVISION
 AIR FORCE WEATHER SERVICE/AFAC

EXTREME VALUES MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION NO. A A STATION NAME

46-1

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
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MEAN													
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TOTAL OBS													

NOTE: * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88.5 (OLA)

EXTREME VALUES
MONTHLY SNOWFALL

1-201 1405 A A
STATION STATION NAME

46-1

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES.

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88.5 (OL A)

3
1
FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/NAO

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

1941 1942 AD AL STATION NAME 44-41 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														1147			
FEB	100.0														1016			
MAR	100.0														1114			
APR	100.0														1040			
MAY	100.0														1114			
JUN	100.0														1067			
JUL	100.0														1116			
AUG	100.0														1116			
SEP	100.0														1040			
OCT	100.0														1147			
NOV	100.0														1040			
DEC	100.0														1116			
ANNUAL	100.0														1117			

EXTREME VALUES

FROM DAILY OBSERVATIONS

YEARS

DAILY AVG. DEPTH IN INCHES

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

0-88-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- * 1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- * 2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

WEATHER CLIMATOLOGY SECTION
 METEOROLOGICAL SERVICE, WDC

EXTREME VALUES

5-48301-11-1

FROM DAILY OBSERVATIONS

STATION NAME

STATION NAME

4-121

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
1	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
2	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
3	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
4	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
5	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
6	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
7	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
8	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
9	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
10	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
11	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
12	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
13	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
14	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
15	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
16	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
17	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
18	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
19	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
20	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
21	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
22	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
23	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
24	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
25	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
26	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
27	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
28	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
29	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
30	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
31	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW	43SW
MEAN													
S D													
TOTAL OBS													

NOTES * (BASE ON LESS THAN FULL MONTHS)

USAF ETAC

FORM JUL 64

0-88-5 (OLA)

(BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION NAME

4-23

YEARS

FAMILY PEAK CLUSTS IN KNO'S

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88.5 (OL A)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

U.S. AIR CLIMATOLOGY DATA
 REPORT
 AIRCRAFT SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION AFB A A STATION NAME 75-1 YEARS 1950-1951 MONTH 1950
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.4	2.3	.1							1.1	1.1
NNE			1.5	.1								1.5	1.5
NE	.1	.3	.2	.5								1.1	1.1
ENE		1.2	1.7	.2								2.9	2.9
E	.2	1.4	2.5	1.8								5.9	5.9
ESE	.1	.1	1.7	1.2	.1							3.2	3.2
SE	.2	1.3	1.7	.9	.1							3.2	3.2
SSE	1.2	1.7	1.2	1.1								5.2	5.2
S	1.7	1.1	1.9	1.4	.1	.2						5.3	5.3
SSW	1.2		.5	1.6	.5	.7	.1					4.0	4.0
SW	1.1	.4	1.4	2.0	1.0	.5						6.4	6.4
WSW	1.2	1.2	1.0	1.4	.3	.7	.1					5.9	5.9
W	1.2	1.5	1.6	.9	.5	.7	.1					6.5	6.5
WNW	.1	1.5	2.7	1.2	.7	.4	.1					7.7	7.7
NW	.2	1.1	1.3	2.3	.9	.7	.7					7.9	7.9
NNW		.4	1.5	1.6	.5	.1						4.6	4.6
VARBL		.1										1.1	1.1
CALM												17.7	17.7
	11.0	15.6	5.4	1.1	4.7	2.5	.9					41.2	41.2

TOTAL NUMBER OF OBSERVATIONS 177

U.S. AIR FORCE
 1. STATION
 2. STATION SERVICE / MAG

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION L-350 A A STATION NAME 70-01 YEARS 1970-71 MONTH 12
 CLASS ALL HOURS [L.S.T.] 0000-2300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.4	2.2	.4							4.0	1.0
NNE			1.7	.7								2.4	7.0
NE			1.7	.7								2.4	7.0
ENE		1.7	1.1	1.1								3.9	4.1
E		1.7	2.2	2.0								6.9	6.7
ESE		.7	1.7	1.0								3.4	4.1
SE		.6	.6	1.3	.1							2.6	4.5
SSE	1.7	1.6	1.7	1.7								6.7	7.1
S	1.7	1.6	1.1	1.3	.2	.7						4.5	4.1
SSW			1.7	.7	.4	.1	.1					4.1	1.0
SW	1.7	.6	1.6	1.4	1.7	.7	.1					7.0	10.7
WSW	1.7	.6	1.6	2.0	.7	.7	.1					6.6	1.0
W	1.7	1.7	1.4	1.7	.7	.7						6.7	8.4
WNW		1.7	2.3	1.1	.6	.7	.1					6.2	11.1
NW		1.1	1.7	1.0	1.7	1.0	.7	.1				6.3	1.0
NNW	.1	.7	2.4	2.3	.7	.6						6.1	11.7
VARBL	.7	.7										.7	6.0
CALM												1.4	
	11.2	15.4	24.1	27.0	5.2	4.1	.0	.1				17.0	

TOTAL NUMBER OF OBSERVATIONS 17

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L.S.T.)	
10345678	12345678	12345678	12345678

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS			HOURS (LST)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

U.S. AIR FORCE METEOROLOGICAL BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKE MEAD STATION NAME LAKE MEAD YEARS 70-71 MONTH ALL
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.4	2.3	.1	.2						1.2	1.4
NNE		.1	1.7	.1								.3	.1
NE	.1	.3	.6	.6								.1	.1
ENE		1.2	1.7	.9								.3	.1
E	.1	1.4	2.5	1.8								.3	.1
ESE	.1	.1	1.3	1.2	.1							.1	.1
SE	.1	1.3	1.7	.9	.1							.2	.1
SSE	1.2	1.7	1.2	1.1								.1	.1
S	1.7	1.1	1.9	1.4	.1	.2						.1	.1
SSW	1.2	.1	.6	1.5	.5	.7	.1					.1	.1
SW	1.1	.4	1.4	2.6	1.7	.5						.1	.1
WSW	1.2	1.2	1.3	1.4	.3	.3	.1					.1	.1
W	1.7	1.5	1.6	.9	.5	.2	.1					.1	.1
WNW	.5	1.5	2.0	1.2	.3	.4	.1					.1	.1
NW	.4	1.3	1.3	2.3	.7	.3	.3					.1	.1
NNW		.1	1.5	1.6	.6	.1						.1	.1
VARBL		.1										.1	.1
CALM												17.7	
	11.2	14.6	25.4	21.1	4.7	2.8	.8					17.7	

TOTAL NUMBER OF OBSERVATIONS 70

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C. 20330

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 72-81 MONTH ALL
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.4	2.0	.4							4.8	1.4
NNE	.0	.0	1.3	.7								2.0	1.0
NE	.0	.0	1.2	.3								1.5	1.0
ENE		1.0	1.1	1.1								3.1	1.1
E		1.7	2.7	2.7								7.1	2.7
ESE	.0	.0	1.2	1.0								2.2	1.0
SE	.0	.5	.5	1.3	.1							2.4	.8
SSE	.0	1.3	1.3	1.0								3.6	1.1
S	1.7	1.4	1.1	1.3	.2	.2						5.0	1.1
SSW	.0	.5	1.7	.7	.4	.1	.1					4.1	1.1
SW	1.0	.5	1.5	1.4	1.0	.1	.1					7.6	1.4
WSW	1.3	.0	1.0	2.0	.2	.5	.1					5.6	1.4
W	1.7	1.3	1.4	1.2	.5	.2						5.3	1.4
WNW	.4	1.0	2.3	1.1	.5	.6	.1					5.5	1.1
NW	.4	1.1	1.0	1.0	1.2	1.0	.2	.1				6.9	1.1
NNW	.1	.2	2.4	2.3	.5	.5						6.5	1.2
VARBL	.7	.0										.7	.0
CALM												19.4	
	11.2	15.4	24.1	20.0	5.2	.7	.8	.1				100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 47

U.S. AIR FORCE RESEARCH
 AND DEVELOPMENT
 MATHEMATICAL SERVICE AEC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAKE CHARLES STATION NAME LAKE CHARLES YEARS 77-81 MONTH 01
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 1600-1800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.8	1.8	.7	.1						.4	1.1
NNE	.1	1.7	1.2	.4								2.7	7.8
NE	.7	1.7	.7	.7								.7	7.8
ENE	.7	.7	1.4	1.7								.7	7.1
E	.7	1.4	2.7	2.0								2.5	9.1
ESE	.1	.7	1.4	1.7								1.5	9.5
SE	.7	.7	1.7	.6								7.7	7.7
SSE	.7	1.4	.9	1.1								4.2	7.3
S	2.4	1.7	1.9	1.8	.4							4.4	7.7
SSW	1.4	1.7	.6	1.7	.5	.7						4.7	6.9
SW	.7	.7	1.7	1.6	.5	.6	.7					1.2	12.4
WSW	1.7	1.7	1.1	.9	.2	.7						4.3	9.1
W	1.1	3.7	1.4	1.6	.8	.7						4.1	6.7
WNW	.7	1.4	1.7	1.8	.4	.5						5.5	10.4
NW	.7	.3	1.7	1.4	.5	1.1	.5					6.1	14.1
NNW		.1	2.4	2.2	1.7	.6						6.2	13.6
VARBL	.1											.1	6.0
CALM												10.2	
	11.0	16.7	23.5	20.6	4.7	4.3	.9					10.7	6.1

TOTAL NUMBER OF OBSERVATIONS 171

U.S. AIR FORCE
 10-10-64
 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME 70-21 YEARS 10
 CLASS ALL WEATHER MONTH 10-11
 CONDITION 10-11 HOURS (L.S.T.) 10-11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	2.2	1.0	.7	.1						.1	1.0
NNE	.1	1.7	1.0	.7								.1	1.0
NE	.4	1.0	.9	.1								.4	1.0
ENE	.1	.1	2.7	.9								.4	1.0
E	.1	.9	2.6	2.9	.7							.4	1.0
ESE	.1	.4	1.0	2.0								.4	1.0
SE	.1	.9	1.7	.9	.7							.4	1.0
SSE	1.0	1.0	.9	1.0	.2							.4	1.0
S	.1	2.0	2.4	2.8	.6							.4	1.0
SSW	1.7	1.4	.9	.6								.4	1.0
SW	.1	1.0	1.1	2.2	.2	.4	.1					.4	1.0
WSW	.1	1.0	2.2	.9	.5	.1						.4	1.0
W	.1	2.4	2.7	.2	.4		.1					.4	1.0
WNW	.1	1.4	2.7	2.5	.4	.1						.4	1.0
NW	.1	.6	2.6	2.9	.7	1.2	.1					.4	1.0
NNW	.1	.3	1.6	2.0	.5	.6	.2					.4	1.0
VARBL													
CALM												11.7	
	7.2	13.1	29.4	23.4	5.4	2.6	.5					10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
 AIRCRAFT SERVICE ZONE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 24 STATION NAME LAUREL AFB YEARS 73-81 MONTH JUL
 CLASS ALL WEATHER HOURS (LST) 0000-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	2.7	2.2	.3	.7	.1					.4	1.4
NNE	.2	.3	1.0	.2								.4	1.4
NE	.2	.7	1.5	.2								.4	1.4
ENE	.4	1.4	1.2	1.2								.4	1.4
E	.5	2.2	3.2	3.1	.1							.4	1.4
ESE		.1	1.5	1.3	.1							.4	1.4
SE	.1	.4	1.7	2.2	.1	.2						.4	1.4
SSE	.1	2.4	2.1	1.4	.7							.4	1.4
S	.1	1.7	3.5	3.4	.8	.2						.4	1.4
SSW		1.2	.4	1.1	.7	.3						.4	1.4
SW	.7	.1	1.6	2.7	.3	.2	.5					.4	1.4
WSW	.2	1.2	2.2	2.2	.6							.4	1.4
W	.1	1.1	1.4	1.4	.5	.2	.1					.4	1.4
WNW		.2	2.7	4.2	1.2	.1	.1					.4	1.4
NW	.1	1.1	3.1	5.2	.8	.4	.1					.4	1.4
NNW		.2	2.3	1.4	1.1	.2						.4	1.4
VARBL			.1									.4	1.4
CALM												.4	1.4
	6.2	17.5	32.2	33.8	6.3	3.7	1.0					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 177

CLIMATE DATA REPORT
 STATION
 DATE

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION CAUTIN A STATION NAME 70-81 YEARS 1961-1971
 CLASS ALL DATA MONTH 1-12
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	2.3	1.5	.4	.7						.1	1.1
NNE		1.1	.4									.1	.1
NE		1.2	2.1	.4	.1							.1	.1
ENE	.7	1.1	1.1	1.1								.1	.1
E	.5	2.2	3.1	2.6								.1	.1
ESE	.7	1.1	1.3	.5								.1	.1
SE	.7	2.4	1.7	1.5	.1							.1	.1
SSE	.4	1.5	3.2	1.3	.2	.2	.1					.1	.1
S	.3	1.7	2.2	1.3	.5	.1						.1	.1
SSW	.1	1.3	1.5	.6	.3	.4	.7					.1	.1
SW	.4	.5	1.4	2.7	.1	.6	.1	.1				.1	.1
WSW	.7	.7	1.6	2.6	.5	.1		.1				.1	.1
W	.5	1.2	1.4	1.2	.4							.1	.1
WNW	.1	1.1	4.2	2.9	1.4	.1						.1	.1
NW	.7	1.7	4.5	3.5	.9	.5						.1	.1
NNW	.7	1.7	1.7	7.4	1.2	.5						.1	.1
VARBL	.1	.7										.1	.1
CALM												.1	.1
	4.1	21.4	32.1	24.4	6.2	3.4	.5	.2				.1	.1

TOTAL NUMBER OF OBSERVATIONS 71

U.S. AIR FORCE
ATMOSPHERIC SERVICE/140

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 1 1 STATION NAME 1 1 1 YEARS 1 1 1 MONTH 1 1 1
CLASS 1 1 1 HOURS (L.S.T.) 1 1 1
CONDITION 1 1 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0	2.0	.0	.0						1.0	11.7
NNE	.0	.0	.0	.0								.0	1.0
NE	.0	1.0	1.0	.0								.0	1.0
ENE		.0	1.0	.0								.0	1.0
E	.0	.0	2.0	2.0								.0	2.0
ESE	.0	.0	2.0	1.0	.0							.0	2.0
SE	.0	1.0	1.0	.0								.0	1.0
SSE	1.0	1.0	2.0	1.0	.0	.0						1.0	1.0
S	1.0	1.0	1.0	1.0	.0	.0						1.0	1.0
SSW	.0	.0	1.0	.0	.0	.0	.0					.0	1.0
SW	1.0	1.0	1.0	1.0	.0	.0	.0					1.0	1.0
WSW	1.0	1.0	1.0	1.0	.0	.0	.0	.0				1.0	1.0
W	1.0	1.0	2.0	2.0	.0	.0			.0			1.0	1.0
WNW	.0	2.0	2.0	1.0	.0	.0			.0			1.0	1.0
NW	.0	.0	2.0	2.0	.0	.0						1.0	1.0
NNW	.0	.0	1.0	1.0	1.0	.0						1.0	1.0
VARBL	.0	.0	.0	.0								.0	1.0
CALM												1.0	
	11.0	12.0	20.0	20.0	5.0	7.0	.0	.0	.0			1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1 1 1

U.S. AIR FORCE
 10-10-64
 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-10-64 STATION NAME 10-10-64 YEARS 10-10-64 MONTH 10-10-64
 CLASS 10-10-64
 CONDITION 10-10-64

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 10-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKE A STATION NAME LAKE A YEARS 71-81 MONTH JUL
 CLASS ALL
 CONDITION ALL
 HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.1	2.1	.4	.2	.1					1.1	1.1
NNE	.1	.7	1.1	.2								1.1	1.1
NE	.1	.1	1.7	.4	.2							.1	1.1
ENE	.1	.1	1.5	.5								.4	1.1
E	.1	1.7	2.5	2.5	.1							2.1	1.1
ESE	.1	.1	1.5	1.3	.1							.1	1.1
SE	.1	1.7	1.7	1.1	.1	.2						.1	1.1
SSE	1.1	1.7	1.7	1.2	.1	.1	.1					.1	1.1
S	1.1	1.1	1.9	2.1	.5	.2	.1					2.7	1.1
SSW	.1	.2	1.1	.9	.4	.2	.1					.1	1.1
SW	1.1	.2	1.5	1.8	.5	.1	.2	.1				.1	1.1
WSW	.1	1.1	1.5	1.5	.5	.3	.2	.1				.1	1.1
W	1.2	1.1	1.7	1.1	.5	.2	.1	.1	.1			.4	1.1
WNW	.1	1.4	2.5	2.2	.7	.2	.2	.1				2.4	1.1
NW	.1	.1	2.4	2.5	.9	.7	.2	.1				.1	1.1
NNW	.1	.1	1.8	2.3	.8	.5	.2					.1	1.1
VARBL	.1	.1	.1	.6								.3	1.1
CALM												17.1	
	.6	17.5	28.0	24.0	5.6	3.4	.7	.1	.1			17.1	1.1

TOTAL NUMBER OF OBSERVATIONS 1471

U.S. AIR FORCE CLIMATE DIVISION
 WASHINGTON, D.C. 20330
 AIR FORCE WEATHER SERVICE/AFM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CAJON APAL STATION NAME CAJON APAL YEARS 70-71 MONTH ALL
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.7	1.6	.7	.5	.1	.1				1.2	1.0
NNE	.1	.2	.7	.4								1.4	1.0
NE			.9	.4								1.3	1.0
ENE			1.0									1.0	1.0
E		.5	.6	.2								1.3	1.0
ESE	.2	.3	1.6	.9								1.0	1.0
SE	.5	1.2	.7	.5	.2							1.1	1.0
SSE	.7	2.1	1.6	.9	.4							1.5	1.0
S	.7	2.7	1.3	1.3	.5							1.2	1.0
SSW	1.1	1.1	1.3	2.4	.9	.6						1.5	11.0
SW	1.5	.2	1.5	3.5	.2	.4	.2					1.0	11.0
WSW	.6	1.5	1.2	2.8	2.1	.6	.1					1.2	12.7
W	.2	2.7	2.6	1.8	.6		.1					1.7	7.0
WNW	.2	1.5	1.4	2.8	.2	.6						1.4	12.0
NW	.7	1.1	1.4	2.0	.5	.5						1.7	11.4
NNW	.2	.4	.3	2.0	.2	.8	.2					1.4	12.1
VARBL	.4	.6	.1	.1								1.2	1.0
CALM												17.0	
	7.4	17.4	40.1	23.8	4.6	3.5	.9	.1				1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE
CLIMATE DIVISION
WIND DATA SERVICE UNIT

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 77-81 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 1800-0000
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.7	2.7	.4	.7	.2	.1				1.7	10.7
NNE		.4	.4	.4								1.4	7.6
NE		.4	.4	.4								1.4	7.7
ENE	.7	.1	.1	.1								.9	7.4
E	.1	.2	.3	.7								.8	6.4
ESE		.2	1.2									1.4	7.4
SE	.4	1.5	.7	.9	.1							2.7	8.1
SSE	1.5	2.1	1.2	.6	.4							5.7	8.6
S	.7	1.5	1.6	.7	.5	.5						5.5	8.7
SSW	.7	.7	1.6	2.7	.4	.7	.2					7.1	12.4
SW	.4	1.5	2.7	.2	2.7	.7	.5					10.5	13.6
WSW	.9	2.0	2.4	2.6	2.7	.4	.1					10.4	11.7
W	1.3	2.3	2.7	1.3	.7	.7						9.5	9.7
WNW	.6	1.1	1.9	2.7	1.1	.7						7.2	12.6
NW	.1	1.3	1.3	1.6	.9	.5	.1					5.1	12.6
NNW	.1	.2	1.2	2.2	.9	.6	.2					5.5	14.7
VARBL	.4			.1								.5	4.0
CALM												17.4	
	7.7	16.6	20.3	21.8	9.5	5.2	1.4	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 246

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 2 1 STATION LAJOLLA, ARIZ STATION NAME 72-81 YEARS MONTH 02-1960 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	1.2	2.5	.8	.7	.2					1.3	14.1
NNE			.5	.1								1.1	7.1
NE	.1	.1	.7	.4								1.3	8.6
ENE			.7	.1								.4	10.7
E		.2	1.2	.6								2.7	8.2
ESE		.1	.5	.4								.9	9.4
SE	.4	1.2	.7	.2	.4							3.1	7.8
SSE	1.1	1.4	1.4	.2	.4	.1						7.5	8.7
S	1.4	.7	1.8	.7	.6	.5						5.2	9.6
SSW	.5	.5	1.2	2.2	1.2	.5	.1					6.2	13.1
SW	1.5	1.2	3.1	2.4	1.2	.9	.5					11.8	12.1
WSW	.7	1.4	2.3	2.7	1.9	.9						11.3	12.4
W	.9	1.4	1.5	2.2	.8	.4						7.5	11.7
WNW	.5	1.1	2.1	2.1	.2	.4	.2					6.7	11.1
NW	.2	.4	1.5	3.2	.8	.6	.8	.1				7.2	15.1
NNW		.7	.6	1.6	.9	.8	.4					4.8	17.1
VARBL	.1											.1	1.1
CALM												1.1	
	2.2	12.5	41.6	21.7	9.2	5.8	2.2	.1				11.3	9.8

TOTAL NUMBER OF OBSERVATIONS 144

U.S. AIR FORCE
METAC
ADDITIONAL SERVICE/MAIL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1001 LAJES AFB STATION NAME 72-01 YEARS MONTH 03-11-1961 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	1.1	1.1	.6	.5						4.7	17.0
NNE	.1	.1	.2	.5	.1	.2						1.9	11.0
NE		.1	.1	.4								1.2	6.1
ENE		.4	.2	.2								.3	3.7
E	.2	.2	1.5	.9								3.2	8.0
ESE	.1	.5	1.4	.7								2.7	8.5
SE	.1	1.4	1.2	.1	.2	.1						3.1	7.7
SSE	.2	1.3	2.7	.9	.4	.2						7.7	10.0
S	1.2	1.5	1.4	.7	.6	.6						7.2	10.2
SSW	.1	1.2	1.5	1.2	.8	.6	.2					6.2	10.3
SW	.5	1.5	1.9	3.1	3.2	1.1						11.5	13.0
WSW	.1	1.2	2.2	2.8	2.1	.5						9.7	12.0
W	.7	1.3	1.9	1.3	.8	.2						6.5	10.3
WNW	.1	1.5	2.9	2.2	.7	.4	.1					5.7	11.5
NW	.4	1.2	2.5	2.5	1.4	.5	.6	.4				7.7	14.0
NNW	.1	.2	1.1	2.9	1.2	1.2	.5					7.2	10.2
VARBL	.1	.4	.1	.1								.7	3.7
CALM												4.7	
	7.1	15.3	24.9	22.6	12.4	6.4	1.4	.4				170.0	10.7

TOTAL NUMBER OF OBSERVATIONS 449

U.S. AIR FORCE
CLIMATE DIVISION
ATLANTA, GEORGIA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 70-81 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.1	2.0	.0	.0						1.0	1.0
NNE	.0	.1	.0	.0	.0	.1						1.0	1.0
NE	.0	.0	1.2	.5								1.0	1.0
ENE	.0	1.4	.5									1.0	1.0
E	.0	.0	1.2	1.0								1.0	1.0
ESE		.0	.0	.0								1.0	1.0
SE	.1	.0	2.6	.0	.0	.1						1.0	1.0
SSE	.1	1.3	2.0	1.0	.0	.1						1.0	1.0
S	.1	1.4	2.2	1.4	.0	.1						1.0	1.0
SSW		.0	2.1	2.1	1.0	.0	.1					1.0	1.0
SW	.0	1.1	2.6	4.0	2.4	1.1	.0					1.0	1.0
WSW		.0	3.0	2.6	1.0	.0						1.0	1.0
W	.1	.0	1.0	2.6	.0	.0						1.0	1.0
WNW	.0	.0	2.4	1.0	2.1	1.1						1.0	1.0
NW	.0	1.0	2.3	4.0	2.2	.0	.0					1.0	1.0
NNW	.0	.0	.0	2.2	1.3	1.1	.0					1.0	1.0
VARBL		.0		.1								1.0	1.0
CALM												.0	
	4.0	13.0	29.3	20.7	14.7	6.7	1.1					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 849

JOINT CLIMATOLOGY BRANCH
 AFM 1-10
 AFM 1-10 (CLIMATE SERVICE) 1-10

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAJES A AF STATION NAME 72-81 YEARS 1950-1951 MONTH 1950-1951
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	1.6	2.2	.8	.5	.2					2.1	1.2
NNE	.7	.5	.8	.4								2.1	1.7
NE	.1	.8	1.4	.2								.1	1.7
ENE	.4	.7	.8	.2								.1	1.7
E	.1	.4	1.4	.7								.1	1.7
ESE		.1	.7	.6	.2							.1	1.7
SE		.6	1.4	.7	.1							.1	1.7
SSE	.4	1.1	2.9	1.8	.1							.1	1.7
S	.1	1.2	1.6	.8	.4							.1	1.7
SSW	.1	.1	2.1	2.4	1.5	.4						.1	1.7
SW	.1	1.4	3.9	4.1	2.7	.5						.1	1.7
WSW	.2	.7	2.5	4.6	1.5	.2	.1					.1	1.7
W	.4	.4	1.9	1.6	1.2	.6	.2					.1	1.7
WNW	.1	.4	1.6	2.3	1.6	.8						.1	1.7
NW	.5	.7	3.2	3.8	2.2	.8	.5	.1				.1	1.7
NNW	.1	.6	1.5	2.4	1.3	.9	.5	.1				.1	1.7
VARBL		.1										.1	1.7
CALM												.1	1.7
	2.2	13.5	29.3	29.8	14.3	4.7	1.5	.2				1.7	1.7

TOTAL NUMBER OF OBSERVATIONS 74

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFHUTAG
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 70-71 MONTH 10-11-12
 CLASS ALL WEATHER
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	1.4	1.6	.1	.7						2.4	12.7
NNE	.7	.4	.7	.7	.2							2.7	12.2
NE	.4	.7	.6	.4								2.1	6.5
ENE	.7	.5	.7	.4								2.7	7.1
E	.6	.5	.2	.5								2.5	7.1
ESE		.7	1.1	.7	.1							2.4	6.4
SE	.4	1.1	.9	.1								2.7	6.4
SSE	1.1	2.1	1.9	1.5	.1							5.9	7.3
S	1.1	1.3	1.1	.9								4.3	6.4
SSW	.7	.2	2.2	2.0	1.4	.1						7.2	11.4
SW	.7	1.4	3.4	4.0	1.6	.4						11.4	11.7
WSW	.7	1.7	1.3	2.5	1.2	.1						8.9	11.7
W	1.4	2.1	1.5	2.2	1.6	.1	.1					8.3	10.7
WNW	.7	.2	2.7	1.4	.6	.6	.1					5.9	11.7
NW	.7	1.3	1.6	2.1	1.4	1.1	.1					8.4	10.7
NNW	.7	.7	1.4	2.6	1.3	1.3	.6					7.4	10.4
VARBL		.4	.2									.6	5.2
CALM												12.4	
	4.7	16.2	23.4	24.6	9.8	4.4	.2					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 249

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 101 CASES ALL STATION NAME 70-81 YEARS 1970-1981 MONTH 10-12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.1	1.5	.7	.4						1.8	12.0
NNE	.0	.1	.0	.7	.1							1.4	9.1
NE	.1	.0	.0	.4								1.4	7.0
ENE			.0	.2								1.1	9.1
E	.4	.7	.5	.4								2.4	7.0
ESE	.1	.0	1.4	.6								2.7	5.7
SE	1.1	.7	.0	.1	.1							2.0	5.0
SSE	.7	1.0	1.7	1.7	.2							2.0	5.1
S	1.2	.0	1.3	1.8	.5							3.8	6.1
SSW	1.4	.9	1.8	2.5	.5	.7	.1					7.3	7.0
SW	.7	1.7	1.8	3.5	1.5	.5						7.7	12.0
WSW	1.0	1.2	2.4	2.5	1.5	.1						7.4	10.3
W	1.0	2.0	1.7	1.2	1.2	.5						6.2	9.0
WNW	.0	1.1	1.7	1.8	1.5	.1						5.7	11.7
NW	.4	.7	2.6	2.1	1.2	.2	.1					7.0	11.7
NNW	.1	.0	1.1	2.0	.2	1.5	.4					5.4	10.0
VARBL	.0	.1	.6									1.3	5.0
CALM												13.6	
	12.0	15.2	22.3	22.9	9.9	3.5	.6					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 40

U.S. AIR FORCE
 AIRCRAFT SERVICE/AAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-41 STATION NAME 10-41 YEARS 10-41 MONTH ALL
 CLASS ALL
 CONDITION ALL
 HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.2	2.0	.6	.4	.1	.1				.7	17.8
NNE	.1	.5	.9	.5	.1	.						1.1	6.4
NE	.1	.4	.7	.4								1.6	7.7
ENE	.1	.4	.6	.2								1.4	7.3
E	.1	.1	1.7	.6								2.7	8.1
ESE	.1	.7	1.1	.5	.1							1.3	8.9
SE	.1	1.1	1.1	.4	.2	.1						1.7	7.7
SSE	.1	1.7	1.8	1.2	.3	.1						4.6	10.1
S	.1	1.7	1.5	1.0	.5	.2						7.5	7.1
SSW	.1	.4	1.8	2.2	1.1	.1	.1					7.1	12.1
SW	.1	1.4	2.5	3.5	1.9	.7	.2					11.0	12.7
WSW	.1	1.3	2.2	2.9	1.7	.4	.1					7.4	12.1
W	.1	1.7	1.9	1.8	1.0	.3	.1					7.4	12.1
WNW	.1	.1	2.1	2.2	1.1	.6	.1					7.3	12.4
NW	.1	1.1	2.2	2.9	1.3	.6	.7	.1				.8	13.4
NNW	.1	.4	1.7	2.3	1.1	1.0	.4	.1				6.1	15.5
VARBL	.1	.7	.1	.1								.7	2.2
CALM												11.1	
	7.8	15.1	27.9	24.6	11.0	5.1	1.3	.1				17.0	12.2

TOTAL NUMBER OF OBSERVATIONS 1701

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFSTAC
 AF WEATHER SE WIC / IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1001 LEJES AFB STATION NAME 71-50 YEARS 1950-1951 MONTH 1-12
 CLASS ALL WEATHER
 CONDITION
 HOURS [L.S.T.]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.0	2.5	.4	.2	.7					.6	11.1
NNE	.7	.7	.4	.2								1.2	7.7
NE		.4	.6	.3								1.4	6.4
ENE	.1	.4	.7	.1								1.2	6.6
E	.2	.2	.5	1.7		.2						2.8	10.1
ESE	.1	.2	.5		.1	.1						1.1	6.1
SE	.4	.3	.5	.9	.7	.1						2.1	12.6
SSE	.4	1.3	.5	1.1								2.1	7.6
S	1.5	1.0	2.7	1.5	.2							7.2	7.7
SSW	.2	1.7	1.2	1.8		.1						3.2	6.9
SW	1.7	1.9	1.5	1.5	.2	.2						3.3	6.7
WSW	1.3	2.4	1.8	2.4	.9	.2						6.5	10.7
W	1.4	2.2	1.9	1.6		.1						6.2	7.7
WNW	1.2	2.4	2.9	1.7	.4							.7	6.4
NW	.1	2.2	3.1	3.2	1.2	.5						1.0	11.1
NNW		.6	2.6	3.5	.5	.3	.4					.1	13.7
VARBL													
CALM												12.7	
	7.7	22.5	23.0	23.4	4.3	2.2	.6					12.7	6.7

TOTAL NUMBER OF OBSERVATIONS 71

U.S. AIR FORCE
 14-00000
 14-00000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14-00000 STATION NAME LAKE MEAD YEARS 1961-1962 MONTH 1961
 CLASS ALL
 CONDITION
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	2.4	2.7	.7	.1						.7	1.1
NNE		.4	.6	.3								1.4	.7
NE	.1	.7	.4	.1								1.1	.7
ENE		.7	.7	.2	.1							.7	.7
E	.1	.4	.1	1.6		.7						.7	1.2
ESE			.1	.1	.7	.1						.1	1.1
SE	.1	.7	.9		.7	.1						1.7	.7
SSE	1.1	1.7	1.3	.9	.7							.7	1.7
S	1.1	1.7	.9	1.2	.7							.7	1.7
SSW	1.7	1.5	1.7	1.6	.4							.7	1.7
SW	1.7	1.7	2.6	1.7	.5							.7	1.7
WSW	1.7	1.5	1.7	1.6	.4							.7	1.7
W	.1	2.7	1.4	1.3	.7							.7	1.7
WNW	.7	2.7	3.7	1.9	.4	.1						.4	1.7
NW	.4	2.7	3.9	3.9	.3	.7						1.7	11.1
NNW	.7	.7	1.4	7.4	1.6	.7	.7	.1				7.7	14.4
VARBL			.7									.7	.7
CALM												1.0	
	.9	19.1	23.9	22.0	6.3	2.0	.7	.1				1.0	7.7

TOTAL NUMBER OF OBSERVATIONS 144

U.S. AIR FORCE
 1-10-64
 1-10-64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1-10-64 STATION NAME 1-10-64 YEARS 1-10-64 MONTH 1-10-64

CLASS 1-10-64

CONDITION 1-10-64

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	2.0	1.0	.5	.5	.1					1.0	1.0
NNE	.1	.3	.5	.3								1.0	.1
NE		.4	.5	.3								1.0	.1
ENE		.5	.5	.3	.5							1.0	1.0
E		.1	.5	1.4	.1	.5						1.0	1.0
ESE	.1	.5	.1	.3		.3						1.0	1.0
SE	.4	.4	.5	.6	.1	.3						1.0	1.0
SSE	.1	1.3	1.4	.3								1.0	1.0
S	1.0	1.0	1.5	1.7	1.3							1.0	1.0
SSW	.1	1.1	1.3	2.5	.7		.3					1.0	1.0
SW	1.0	2.7	2.9	2.3	.1							1.0	1.0
WSW	1.0	1.6	2.6	1.1	.4							1.0	1.0
W	.3	2.0	.5	.6	.3							1.0	1.0
WNW	.4	3.1	2.9	1.2	.4							1.0	1.0
NW	.7	1.3	2.4	3.3	1.4	.4						1.0	1.0
NNW		.5	2.4	3.2	2.6	1.0						1.0	1.0
VARBL	.2											1.0	1.0
CALM												17.7	
	.2	1.7	2.3	20.6	7.5	2.7	.2					1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1-10-64

U.S. AIR FORCE CLIMATE BRANCH
 WASHINGTON, D.C. 20330
 FORM 0-8-5 (OL-A) 7-64

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION CAPOE AR AB STATION NAME 71-86 YEARS 1961-1962
 CLASS ALL WEATHER MONTH 1-12
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	1.3	2.7	.4	.1						.1	1.0
NNE	.1	.1	1.3									.1	.1
NE	.1	.1	.1	.3								.1	.1
ENE	.4	.1	1.3	.1	.1							.1	.1
E	.1	.1	1.3	1.3	.1	.1						.1	1.1
ESE		.1	.4			.1						.1	.1
SE	.1	.1	.1	1.1	.1	.1						.1	1.0
SSE	1.1	.1	1.1	.1	.4							.1	.1
S	.1	1.1	2.3	1.1	.1	.1						.1	.1
SSW		1.1	2.3	2.1	1.1	.1						.1	1.1
SW	.1	2.4	2.3	2.1	.1		.1					.1	.1
WSW	.1	1.1	2.3	1.1	.1	.1						.1	1.1
W	1.1	1.1	1.1	.1	.1							.1	.1
WNW	.1	1.1	.1	1.1	.1							.1	.1
NW	.1	.1	.1	1.1	1.1	.1						.1	1.1
NNW	.1	1.1	.1	1.1	2.1	.1	.1					.1	1.1
VARBL			.1	.1								.1	1.1
CALM												.1	.1
	6.7	19.5	31.3	24.5	8.2	3.2	.4					100.0	

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFMPC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAJOS AFB STATION NAME LAJOS AFB YEARS 71-80 MONTH 1-12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.5	1.6	1.7	.5						1.4	11.7
NNE		.5	.5	.1								1.2	7.1
NE	.2	.5	.3	.4								1.4	7.1
ENE	.7	.2	.5	.2								1.4	7.1
E	.2	1.1	1.7	1.4	.7	.7						1.6	11.7
ESE	.1	.5	1.7	.2		.7						1.4	11.7
SE	.7	.2	.5		.5							1.4	11.7
SSE	1.7	1.7	.2	.3	.7							4.2	6.1
S	1.4	1.5	1.5	1.5	.1							7.1	7.1
SSW	.7	1.5	1.5	1.7	.5	.2						1.7	11.7
SW	.7	1.5	2.5	2.5	.5	.5						1.7	11.7
WSW	.5	1.1	2.5	1.5	.5	.4	.1					7.1	11.7
W	1.2	1.7	1.5	1.5								7.1	7.1
WNW	.5	1.7	3.5	1.3	.5	.1						7.1	7.1
NW	.7	2.3	4.5	4.5	.3	.3	.3	.1				11.7	11.7
NNW	.7	1.7	2.6	7.2	1.4	.7	.3	.3				4.4	11.7
VARBL	.1		.7									.5	6.1
CALM												1.4	
	1.1	13.3	22.6	21.5	7.3	3.2	.8	.4				17.1	7.1

TOTAL NUMBER OF OBSERVATIONS 53

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100-100 STATION NAME 100-100 YEARS 100-100
 CLASS ALL WEATHER
 MONTH 100-100
 HOURS (L.S.T.) 100-100
 CONDITION 100-100

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.4	2.1	1.1	.4						1.1	1.1
NNE	.1	.4	.4	.1								1.1	1.1
NE		.1	.1	.2								1.4	1.4
ENE	.1	.1	1.1	.1								1.1	1.1
E		.1	1.2	1.2		.1						1.4	1.4
ESE	.1	.1	1.1	.1	.1	.1						1.1	1.1
SE	.1	.1	.1	.1	.1	.1						1.1	1.1
SSE	1.1	1.4	1.3	.1	.1							1.1	1.1
S	1.1	.1	1.1	1.4	.1	.1						1.1	1.1
SSW	.1	1.1	1.1	1.1	.1	.1						.1	.1
SW	1.1	1.1	1.1	1.1	1.1	.1						.1	1.1
WSW	.1	1.1	1.1	1.1	.1	.1						.1	1.1
W	1.1	1.1	1.1	1.1								.1	1.1
WNW	.1	1.1	1.1	1.1	.1							.1	1.1
NW	.1	1.1	1.1	1.1	.1	.1	.1	.1				.1	1.1
NNW		.1	1.1	1.1	.1	.1	.1	.1				.1	1.1
VARBL			.1									.1	.1
CALM												1.1	1.1
	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 100-100

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 1 JUL 64

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAJES AFB STATION NAME LAJES AFB YEARS 71-80 MONTH ALL
 CLASS ALL WEATHER
 CONDITION ALL
 HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	2.1	2.1	.8	.5	.1					1.2	11.7
NNE	.1	.5	.7	.2								1.4	7.4
NE	.5	.5	.8	.2	.5							1.7	7.4
ENE	.5	.5	.9	.3	.1							.8	6.7
E	.3	.7	1.2	1.5	.2	.3						4.1	10.7
ESE	.1	.7	.6	.1	.1	.2						1.2	10.6
SE	.7	.5	.7	.5	.3	.1						3.2	10.1
SSE	.4	1.2	1.3	.7	.7							4.2	7.7
S	1.7	1.4	1.4	1.4	.6	.1						6.1	9.2
SSW	.5	1.2	1.2	2.0	.6	.2	.2					5.2	10.6
SW	.7	1.7	2.7	2.3	.5	.2	.2					6.1	9.8
WSW	.7	1.3	2.3	1.9	.7	.2	.2					7.1	10.2
W	1.2	1.5	1.4	1.1	.2	.7						5.6	7.2
WNW	.5	1.2	3.2	1.9	.6	.5						6.3	7.5
NW	.5	1.2	4.1	4.5	1.2	.4	.1	.2				12.4	11.3
NNW	.3	.7	2.9	3.5	1.7	.6	.7	.1				12.1	12.4
VARBL	.1	.5	.1	.1	.2							.4	7.1
CALM												11.2	
	7.7	17.5	28.4	24.2	7.5	2.9	.5	.1				101.2	9.1

TOTAL NUMBER OF OBSERVATIONS 7940

U.S. AIR FORCE
 CLIMATE BRANCH
 AFMPC/CLIMATE SERVICE/MAAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION AFMPC/CLIMATE SERVICE/MAAC STATION NAME AFMPC/CLIMATE SERVICE/MAAC YEARS 71-80 MONTH ALL MONTHS
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 0000-2400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.	1.6	2.2	.1							2.1	1.6
NNE	.4	.7	2.0	.4								2.6	1.7
NE	.2	.	1.1	.2	.1							2.1	1.7
ENE	.1	1.7	2.4	2.2								2.4	2.1
E	.1	1.3	2.8	1.9	1.2	.6						2.7	1.8
ESE	.1	.7	.9	1.2	1.2	.6						2.2	1.9
SE	.2	.7	2.3	.7	.3	.2						2.4	1.8
SSE	1.7	2.4	2.2	1.6								2.3	2.4
S	1.2	2.1	1.8	.2	.4	.2	.1					2.6	2.4
SSW	.2	.2	1.7	.9	.1							2.4	2.0
SW	1.1	1.2	1.4	1.6	.2	.1						2.1	2.0
WSW	1.1	.7	.9									2.7	2.3
W	2.1	1.2	1.6	.2								2.2	2.1
WNW	.6	1.2	2.1	1.4	.1							2.4	2.0
NW	.4	.9	2.0	3.4	.1	.2						2.1	1.1
NNW	.1	.7	2.1	3.1	1.1							2.1	1.2
VARBL			.1									.1	2.0
CALM												11.9	
	13.2	12.2	27.6	20.4	4.9	1.6	.1					100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 400

U.S. AIR FORCE
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUGS AFB STATION NAME LAUGS AFB YEARS 71-72 MONTH ALL
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	2.6	1.0	.2							4.7	1.3
NNE	.7	1.7	1.6	.4	.1							3.7	7.1
NE	.2	.7	1.2	.6								3.7	6.1
ENE	.3	1.7	1.6	1.6								5.2	5.4
E	.7	1.1	1.6	1.8	.8	.6						6.1	12.7
ESE			1.7	1.3	.4	.6						3.7	13.9
SE	.2	1.4	1.2	.7	.7	.1						4.3	10.2
SSE	1.2	2.7	2.2	1.1								6.2	7.1
S	1.2	1.1	2.6	.3	.2	.1						7.6	7.4
SSW	.6	1.3	1.1	1.0	.1							3.8	0.1
SW	1.2	1.2	.7	1.8	.2							5.2	7.5
WSW	1.4	1.2	.6	.1								3.7	4.0
W	1.4	1.3	.9	.1								3.7	4.0
WNW	.5	1.3	1.1	1.3	.2							4.8	5.6
NW	.4	1.6	2.6	2.8	.9	.1						7.2	10.5
NNW	.3	.9	1.3	2.0	1.0							6.6	11.7
VARBL		.1	.1									.2	1.0
CALM												14.7	
	17.5	20.1	24.2	14.8	4.9	1.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 899

U.S. AIR FORCE
 AIRCRAFT
 WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-1 STATION LAUREL AFB 71-80
 STATION NAME YEARS
 ALL WEATHER CLASS
 CONDITION
 MONTH
 500-1000
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	2.0	2.1	.2							1.2	2.7
NNE	.1	.2	1.2	.6								1.1	7.7
NE	.2	1.2	1.3	.7	.1							1.7	7.4
ENE		1.7	2.1	2.1	.3							2.4	9.9
E	.4	1.3	1.6	1.9	1.1	.4						3.6	11.4
ESE		.4	1.1	1.6	.6	.2						3.3	12.7
SE	.4	1.4	1.7	1.7	.2	.7						4.4	10.1
SSE	.8	1.9	2.2	.7	.3							4.7	7.7
S	.6	1.7	2.5	1.7	.4							5.4	9.3
SSW	.7	1.4	2.1	.8								4.1	7.4
SW	.6	.9	1.4	1.1								4.0	7.7
WSW	1.4	.7	.7									3.2	9.0
W	2.1	1.0	.3									3.4	9.0
WNW	.4	1.6	1.6	1.6								3.1	8.2
NW	.6	1.7	2.3	1.8	1.1	.1						7.1	10.7
NNW	.2	1.1	2.3	3.6	1.0							6.2	11.6
VARBL	.1											.1	2.0
CALM												16.7	
	4.2	19.2	28.3	20.7	5.4	1.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE CLIMATE DIVISION
 AFM 7-10
 AIR WEATHER SERVICE/444

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1. STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 71-72 MONTH APR
 CLASS ALL WEATHER MONTH 900-1100
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.7	3.2	2.1	.4							7.6	4.4
NNE	.0	1.7	1.6	.9								4.4	7.8
NE	.0	1.6	1.0	.4								4.4	6.7
ENE	.3	1.5	2.1	2.4	.6							7.2	11.1
E	.0	1.6	2.9	2.3	1.7	.3						11.1	11.2
ESE		.1	1.2	.0	.0	.3						1.3	11.1
SE		1.1	3.1	2.7	.0	.7						7.7	11.1
SSE	.0	1.6	2.4	1.3	.4							6.1	9.2
S	.4	1.1	2.7	1.3	.6							6.1	9.7
SSW	.1	1.7	1.2	1.0	.2							4.0	9.9
SW	.0	1.0	2.6	1.7								6.3	8.9
WSW	.0	1.1	2.5	.7								4.1	7.8
W	.0	.0	.5	.4								1.3	7.0
WNW	.1	.0	2.4	2.4	.3	.1						6.2	11.4
NW		1.6	3.9	3.6	1.3							11.7	10.4
NNW	.4	.6	2.6	3.6	.6	.3						11.1	11.7
VARBL		.1	.3	.2								.7	9.3
CALM												.0	
	4.6	19.1	36.8	28.8	7.0	1.4						111.0	2.1

TOTAL NUMBER OF OBSERVATIONS 704

UNITED STATES AIR FORCE
AF TAC
AF TAC SERVICE ZMAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 71-80
CLASS ALL WEATHER MONTH 12-1-80
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4	2.7	2.7	.8							7.0	1.4
NNE	.1	.7	2.2	.6								4.0	.6
NE	.7	2.3	2.4	.4								5.8	1.1
ENE	.0	1.4	3.1	2.7	.3							7.5	2.0
E	.0	1.3	2.3	3.9	1.7	.3						6.9	1.8
ESE		.4	.0	1.6	.2	.2						1.8	13.1
SE		.1	2.7	3.7	.4	.6						7.1	12.7
SSE	.1	.3	2.9	1.6	.4							5.1	12.4
S	.1	.3	2.6	2.3	.3							5.7	11.0
SSW		.0	3.2	1.1	.1							5.7	9.1
SW		.6	2.1	2.7	.2							.6	11.8
WSW		.7	1.8	1.7								2.8	15.0
W		.7	.2	.9								1.4	11.0
WNW		.0	1.1	2.3	.0							3.4	11.0
NW	.7	1.2	3.3	5.0	1.4							11.2	11.0
NNW	.1	.3	2.6	4.7	1.1	.7						7.4	12.0
VARBL	.7		.0	.3								.9	7.0
CALM												.0	
	4.0	13.7	36.0	33.2	8.2	1.7						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 200

U.S. AIR CLIMATOLOGY SERVICE
 USAFETAC
 AIR WEATHER SERVICE/NAF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 71-72 MONTH 12
 ALL WEATHER CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 1700-1700

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	1.6	3.6	.4	.1						7.5	15.7
NNE	.4	2.3	1.7	.4								7.5	8.0
NE	.3	2.7	1.0	.9								1.7	7.0
ENE	.7	1.4	2.3	1.9	.1	.1						1.7	8.0
E	.4	1.0	3.4	3.7	1.0	.2						1.0	13.7
ESE		.7	1.1	2.1	.7	.4						7.5	12.7
SE	.1	.7	1.7	1.9	.3	.4						8.1	11.7
SSE	.7	1.7	3.0	1.7	.2							8.1	9.7
S	.7	.2	2.7	1.7	.4							7.5	12.7
SSW	.7	1.2	2.7	1.7	.4	.1						7.5	2.7
SW	.1	1.0	1.0	1.4	.6	.7						.2	11.7
WSW		.7	2.6	1.2	.1							4.5	9.7
W		.1	1.2	.6	.3							1.2	11.7
WNW		.2	1.0	1.0	.0							4.5	12.7
NW	.1	.7	3.7	4.2	1.7	.1						6.4	12.7
NNW	.4	.4	1.7	4.0	1.7	.2	.1					.3	13.7
VARBL	.7	.7	.6	.3								1.3	8.1
CALM												.9	
	3.4	16.3	35.3	33.1	8.6	2.1	.1					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 170

USAFETAC
 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1-2-1 STATION NAME LEWIS AFB YEARS 71-80 MONTH 1-12
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	2.0	1.0	.0							.0	1.0
NNE	1.0	1.0	1.0	.0								.0	1.0
NE	.0	.0	1.0	.0								.0	1.0
ENE	1.0	1.0	2.1	2.1	.0							.0	1.0
E	1.0	1.1	2.0	2.0	1.0	.0						.0	1.0
ESE	.0	.0	1.0	1.0	.0	.0						.0	1.0
SE	.0	.0	2.0	1.0	.0	.1						.0	1.0
SSE	.0	2.0	3.1	.0								.0	1.0
S	1.1	2.0	1.0	1.0	.0							.0	1.0
SSW	.0	1.0	1.1	1.0	.0	.1						.0	1.0
SW	.0	1.0	1.0	.0	.0	.1						.0	1.0
WSW	.0	1.0	1.0	.0								.0	1.0
W	.0	2.1	.0	.1	.1							.0	1.0
WNW	.0	1.0	1.0	1.0	.0	.1						.0	1.0
NW	.0	1.0	2.0	2.0	1.0	.1						.0	1.0
NNW	.0	1.0	2.0	2.0	.0	.0	.1					.0	1.0
VARBL	.1	.1	.0									.0	1.0
CALM												.0	1.0
	11.0	22.0	40.0	27.1	6.6	1.0	.1					100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 400

AL PLINATOLUPE TAC
 AT + SE-VI7-AP

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUS A A STATION NAME 71-71 YEARS 1954-1955 MONTH 1-12
 CLASS ALL WEATHER
 CONDITION
 HOURS [L.S.T.]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	2.3	1.1	.7							.4	1.0
NNE	.7	.7	1.1	.4		.1						.4	.7
NE	.7	.4	1.0	.8								.4	.7
ENE	.7	1.1	2.3	1.2	.2							.4	1.0
E	.7	.4	2.4	2.7	.4	.7						.4	1.0
ESE	.1	.1	1.7	1.7	1.7	.2						.4	1.0
SE	.4	1.1	1.4	.2	.4							.4	1.0
SSE	1.7	2.2	1.0	.4								.4	1.0
S	1.0	2.7	2.1	.7	.7							.4	1.0
SSW	.7	1.1	.2	.4	.1							.4	1.0
SW	1.7	1.4	1.3	.6	.4							.4	1.0
WSW	1.2	1.2	1.1	.4								.4	1.0
W	2.4	1.3	1.2	.7								.4	1.0
WNW	.7	2.1	1.3	1.3	.7							.4	1.0
NW	.7		1.1	2.3	.4							.4	1.0
NNW	.7	.0	2.2	1.2	1.2	.1						.4	1.0
VARBL	.1	.1	.1									.4	1.0
CALM												1.0	1.0
	11.2	12.2	27.5	27.5	5.2	1.1						1.0	7.0

TOTAL NUMBER OF OBSERVATIONS 40

U.S. AIR FORCE
TAC
SERVICEMAN

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME LAUREL AFB STATION NUMBER 71-20 YEARS 1950 MONTH 01
 CLASS 01
 CONDITION 01
 HOURS (L.S.T.) 01

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	2.4	2.7	.4	.						.7	1.0
NNE	.2	1.2	1.7	.6	.7	.						.1	1.0
NE	.	1.2	1.9	.5	.	.						.	1.0
ENE	.	1.6	2.2	2.1	.2	.						.	1.0
E	.4	1.2	2.4	2.5	1.7	.4						.	1.1
ESE	.1	.	1.1	1.5	.6	.7						.1	1.0
SE	.	.3	2.0	1.7	.4	.7						.	1.0
SSE	.	1.2	2.9	1.1	.7	.						.7	1.0
S	.	1.4	2.3	1.2	.4	.	.					.1	1.0
SSW	.	1.1	1.7	1.1	.2	.						.4	1.0
SW	.2	1.2	1.5	1.4	.2	.1						.	1.0
WSW	.	.3	1.4	.7	.							.7	1.0
W	1.1	1.1	.7	.3	.1							.4	1.0
WNW	.	1.1	1.7	1.5	.4	.2						.	1.0
NW	.4	1.1	2.5	2.2	1.7	.1						.4	1.1
NNW	.2	.	2.2	2.5	1.1	.1	.2					.1	1.1
VARBL	.1	.1	.2	.1								.	1.0
CALM												.	
	7.2	14.6	18.7	25.6	6.3	1.4	.7					100	1.0

TOTAL NUMBER OF OBSERVATIONS 710

JOINT CLIMATE CENTER
 AFM 1240
 AFM 1240 SERVICE/440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAKE A. A. STATION NAME 71-40 YEARS 1951-1952
 CLASS ALL WEATHER MONTH 10 - 1951
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.0	1.4	.1							.8	1.0
NNE		.1	1.2	.1		.1	.1					1.2	1.0
NE	.4	.1	.5	.2								.8	1.1
ENE	.1	.1	.2									.4	.8
E	.1	.1	.2	.8								.8	.8
ESE	.1	.1	.5									1.2	.8
SE	.1	.4	1.1									1.7	.8
SSE	1.1	1.1	2.2	.9								.1	7.1
S	1.1	.1	1.6	.5								.4	7.1
SSW	1.1	1.1	1.6	.4	.2							4.2	7.1
SW	.1	1.1	3.2	1.6	.2							7.1	7.1
WSW	1.2	1.2	1.6	1.7								4.9	7.1
W	1.6	2.2	2.7	.8	.1							7.4	6.1
WNW	1.7	2.2	3.2	1.2								5.9	7.1
NW	.1	2.1	3.2	2.6	.3	.1						10.0	7.1
NNW	.1	1.1	2.1	2.5	.4	.2						7.8	5.7
VARBL	.1	.1	.1	.1								.4	7.1
CALM												10.0	
	11.4	17.4	27.7	14.2	1.4	.5	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 67

U.S. AIR FORCE
 AIRCRAFT SERVICE UNIT

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAKE, A. D. STATION NAME 71-50 YEARS 1950-1951 MONTH 1950-1951
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.7	1.4								.0	.0
NNE	.0	.0	1.0	.3		.7						.0	.0
NE	.0	1.1	1.1	.1								.0	.0
ENE	.0	.4										.0	.0
E	.0	.0	.6	1.1								.0	.0
ESE		.0	.4	.1								.0	.0
SE	.0	1.0	1.2	.5								.0	.0
SSE	1.1	1.0	1.0	.5								.0	.0
S	1.7	2.0	2.6	.6								.0	.0
SSW	.0	.0	.0	.0								.0	.0
SW	1.1	1.0	1.6	1.5	.1							.0	.0
WSW	1.0	1.0	1.0	1.7	.0							.0	.0
W	1.0	1.4	2.2	1.0								.0	.0
WNW	1.3	2.0	3.2	1.2	.1							.0	.0
NW	1.0	2.0	4.4	3.9	.5	.1						1.0	.0
NNW	.0	.0	2.4	3.2	.0	.0						.0	11.0
VARBL													
CALM													
	11.0	19.0	28.1	10.4	1.8	.0						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 171

U.S. AIR FORCE
 CLIMATE SERVICE
 CLIMATE SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LA JOLLA STATION NAME LA JOLLA YEARS 71-80 DAY 1
 MONTH 1
 HOURS (L.S.T.) 00-11
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.5	2.3	3.1	2.2	.8	.1						.9	7.4
NNE	.5	1.3	1.3	.1	.1							2.4	7.4
NE	1.0	2.5	1.5	.7								3.2	8.7
ENE	1.0	1.2	.7	.1								1.3	4.6
E	.5	1.4	1.5	1.1								4.5	8.1
ESE	.7	.5	1.0	.2								1.3	7.6
SE	.4	1.3	2.6	1.1								2.5	8.0
SSE	.2	1.2	3.3	.6	.2							3.7	8.2
S	.8	1.2	1.7	1.0								4.3	8.0
SSW	.1	1.1	1.4	1.0	.7							4.3	7.7
SW	.3	1.5	1.9	2.0	.2							5.1	9.4
WSW	.2	.4	2.8	2.3	.4	.1						3.2	10.7
W	.1	.1	1.8	.8								2.3	9.6
WNW	.1	.5	2.8	2.9	.4	.2						3.1	11.3
NW	.5	1.5	5.5	6.6	1.1	.1						13.4	10.7
NNW	.4	1.3	4.5	4.4	1.2	.5						12.4	11.1
VARBL		.3	.4									.5	5.7
CALM												2.2	
	7.2	17.0	33.5	26.6	4.7	1.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

U.S. AIR FORCE
 METEOROLOGICAL SERVICE
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAJES AIR AC STATION NAME 71-80 YEARS 1971-1972
 CLASS ALL WEATHER MONTH 1971-1972
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0	2.6	.0	.1						.0	1.0
NNE	.4	1.0	2.7	.4	.1							.0	7.0
NE	1.1	2.7	1.8	.0								.0	6.0
ENE	.0	1.0	.0	.2								.0	5.0
E	.0	1.2	2.6	1.2								.0	6.4
ESE		.0	1.3	.0								.0	7.0
SE		.0	1.8	.4								.0	8.3
SSE	.1	.0	3.1	1.2								.0	9.7
S	.1	1.2	2.3	1.0	.1							.0	9.1
SSW		.0	2.3	1.2		.0						.0	10.6
SW		.0	3.1	2.3	.3							.0	11.5
WSW		.0	1.7	1.7	1.2	.1						.0	12.5
W		.0	.0	1.8	.0							.0	11.0
WNW		.0	1.7	4.3	.0	.1	.0					.0	12.0
NW	.4	1.3	4.7	3.4	1.1	.0						.0	11.0
NNW	.0	1.2	2.6	5.7	.6	.6						.0	11.0
VARBL	.0	.1	1.3									.0	6.0
CALM												.0	
	4.5	16.5	38.5	33.3	4.7	1.4	.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 97

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 71-80 MONTH MAY
 CLASS ALL WEATHER 1800-1700
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.4	4.1	2.6	.3							1.6	7.4
NNE	.1	1.4	2.6	.9								1.2	7.4
NE	1.1	2.7	1.4	.2								4.7	6.0
ENE	.1	1.0	.2	.2								2.7	7.0
E	.5	1.7	2.3	.6								3.4	7.6
ESE	.1	.3	.8	.3								1.3	7.4
SE	.0	.0	1.2									1.3	6.8
SSE	.1	.5	3.4	1.3								5.3	5.1
S	.2	1.2	2.2	.6								4.4	7.9
SSW	.2	1.2	2.2	.8	.2							4.7	6.7
SW	.7	.6	3.9	2.6	.1	.3						7.4	10.6
WSW	.1	.7	1.7	1.7	.3							4.6	11.0
W	.1	.4	1.6	2.0	.1							4.3	10.7
WNW	.1	.4	1.8	3.8	.2	.1						6.6	12.7
NW	.0	1.3	4.1	9.7	1.4	.1	.2					17.0	12.1
NNW	.5	.6	3.8	4.2	1.1	.4						12.7	11.2
VARBL	.1	.1	1.0	.2								1.4	6.4
CALM												1.2	
	5.5	13.1	30.4	31.2	3.9	.9	.3					100.2	9.7

TOTAL NUMBER OF OBSERVATIONS 929

U.S. NAVAL CLIMATOLOGY BRANCH
 USFETAC
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11201 STATION NAME LEUES AFB YEARS 71-80 MONTH 1971-1980
 CLASS ALL WEATHER
 CONDITION _____
 HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	3.2	1.5	.2							3.1	7.8
NNE	.4	1.3	2.2	1.0								4.5	7.9
NE	.4	1.1	.5	.1								2.2	5.5
ENE	.3	.5		.3								1.2	6.4
E	1.0	1.2	1.4	.6								4.5	7.0
ESE	.4	1.2	.5	.1								2.4	6.0
SE	.2	.4	.2									1.2	6.9
SSE	1.0	2.7	2.0	.9								5.2	6.7
S	.9	2.2	2.7	.4								5.1	6.7
SSW	.3	.3	1.4	1.0								2.4	6.5
SW	.2	2.3	2.3	1.6	.1							5.5	6.7
WSW	.5	.3	1.7	1.4		.1						4.5	6.2
W	1.0	1.4	2.7	1.4	.1							5.5	7.9
WNW	.3	1.0	3.0	2.3								7.4	6.5
NW	.3	2.4	7.1	5.5	.2	.2	.1					16.7	10.4
NNW	.6	2.3	3.5	3.2	.3	.3						10.3	9.4
VARBL	.2		.2									.4	6.7
CALM												4.5	
	10.0	25.1	36.5	21.3	1.6	.6	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 230

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAJES AD AZ STATION NAME 71-80 YEARS 1950-1959 MONTH ALL MONTHS
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.2	1.4	.5							5.3	7.4
NNE	.5	1.1	2.5	.2								5.3	7.1
NE	.5	1.1	.9									5.7	5.4
ENE	.4	.3		.2								1.1	4.3
E	.1	.3	.8	.5								1.7	7.7
ESE	.1	.9	.4	.1								1.5	8.4
SE	.1	1.3	.8	.1								1.3	8.2
SSE	1.8	2.0	1.9	.5								5.1	8.7
S	1.5	1.2	1.8	.8								5.2	7.7
SSW	1.2	1.2	1.7	1.0								5.1	7.7
SW	1.3	1.8	1.2	1.0	.1							5.4	7.1
WSW	1.4	1.1	1.5	1.2	.1							5.3	7.5
W	1.8	2.7	2.5	.6								7.2	8.1
WNW	1.7	3.1	3.4	1.5								9.5	8.8
NW	1.7	2.3	3.7	2.5	.9	.1	.2					11.3	9.1
NNW	.4	.8	1.7	1.3	.1							5.7	8.7
VARBL	.4		.1									.7	5.2
CALM												17.1	
	15.8	22.5	27.2	13.0	1.7	.1	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1701 LAJES AG AC STATION NAME 71-PO YEARS MONTH ALL HOURS (L.S.T.)
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	1.7	1.9	.3	.2						7.6	9.1
NNE	.7	1.1	1.9	.4	.0	.1	.2					3.9	8.1
NE	.7	1.5	1.9	.1								3.5	8.5
ENE	.4	.1	.2	.2								1.5	6.4
E	.4	.2	1.4	.8								3.5	6.2
ESE	.1	.6	.7	.2								1.4	7.4
SE	.2	.7	1.7	.3								2.7	7.2
SSE	.5	1.4	2.5	.8	.0							5.7	7.5
S	.5	1.5	1.9	.7	.2							5.1	7.1
SSW	.5	1.7	1.6	.8	.1	.5						4.1	5.5
SW	.7	1.6	2.5	1.6	.2	.1						5.7	5.8
WSW	.7	.9	1.9	1.5	.3	.0						5.3	4.3
W	1.1	1.5	2.0	1.1	.1							5.7	7.5
WNW	.5	1.9	2.8	2.3	.1	.5	.0					7.9	9.1
NW	.5	2.0	4.7	5.2	.8	.1	.1					13.7	10.1
NNW	.6	1.2	2.8	3.3	.6	.3						6.9	10.9
VARBL	.2	.1	.4	.0								.7	6.6
CALM												12.0	
	2.9	20.5	32.6	21.5	2.7	.8	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7439

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR FORCE WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 71-80 MONTH JUL
 CLASS ALL WEATHER MONTH 06-0800
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	4.6	1.4								.7	7.0
NNE	.1	1.7	1.9	.2								.1	7.0
NE		1.7	.3	.2								1.0	6.0
ENE	.6	1.7	.4	.1								2.1	5.0
E	.6	.7	.6	.7	.1							3.7	7.3
ESE	.6	.4	.6									2.0	5.0
SE	.1	.9	.7	.2								1.0	7.0
SSE	.7	1.1	1.3	.7								.7	5.0
S	1.6	.6	.7	.6								3.3	6.0
SSW	.7	1.1	1.7	.1								3.1	5.0
SW	1.3	1.6	1.1	.2		.1						4.3	5.0
WSW	1.4	.7	.8	.3								2.2	5.0
W	1.7	1.9	.9									4.4	4.0
WNW	1.7	2.3	1.9	1.7								7.2	7.3
NW	1.4	2.3	4.1	1.8	.1							4.3	7.4
NNW	.3	2.2	4.7	1.6								9.0	5.0
VARBL			.7									.2	7.0
CALM												7.0	
	12.7	22.1	25.7	9.7	.2	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 400

U.S. AIR FORCE
AFETAC
ATC/PAW - SERVICE/PAW

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. STATION: LAJFC AF 47 STATION NAME: 71-85 YEARS: MONTH: 11-1960 HOURS (L.S.T.):
CLASS: ALL WEATHER
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.1	4.1	1.0								10.1	7.1
NNE		1.7	.7	.2								1.2	1.2
NE	.8	1.2	1.0	.1								1.1	1.1
ENE	.7	.4	.1	.4								1.2	1.4
E	.2	.4	.7	.2								1.2	1.2
ESE	.4	.6	.2	.1								1.1	1.1
SE	.4	.6	.6	.4	.1							1.2	1.7
SSE	.7	1.2	.6	.1								1.2	1.1
S	1.2	1.2	.6	.9								1.1	1.7
SSW	.1	.7	1.0	.1								1.1	1.1
SW	1.2	1.2	1.2	.2								1.1	1.1
WSW	.9	1.1	.9	.1								1.1	1.1
W	2.4	1.7	.7									1.1	1.1
WNW	1.3	3.1	2.0	1.2								1.7	1.7
NW	1.2	2.4	2.9	1.6	.1							1.2	1.2
NNW	.6	1.6	5.0	2.2	.1							1.4	1.7
VARBL	.1		.1									.2	1.1
CALM												1.7	
	14.7	22.3	22.1	9.9	.3							112.1	4.7

TOTAL NUMBER OF OBSERVATIONS 97

U.S. AIR FORCE
 AIRCRAFT
 SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAJES A-4 STATION NAME LAJES A-4 YEARS 71-72 MONTH 7-1971
 CLASS ALL WEATHER
 CONDITION
 HOURS [L.S.T.]

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.7	1.7	.1							1.1	1.1
NNE	.7	1.1	.9	.1								.7	.1
NE	.7	1.3	.4	.1								.7	.1
ENE	.6	.1	.2	.7								.6	.1
E	.7	1.3	.6	.3								.7	.1
ESE	.7	.3	.7	.2								.7	.1
SE	.7	1.3	.6	.7								.7	.1
SSE	.1	1.4	.9	.2	.1							.1	.1
S	1.1	.1	.7	.7								.1	.7
SSW	.7	1.3	.2	.1								.7	.1
SW	.9	1.3	1.3	.4								.9	.1
WSW		1.7	1.2	.1								.1	.1
W	1.1	1.2	.7	.1								.1	.1
WNW	1.7	1.7	2.3	1.7								.1	.1
NW	2.0	1.4	3.7	1.7	.1							.1	.1
NNW	.4	1.4	6.6	3.6	.3							.4	.1
VARBL	.1		.4									.1	.1
CALM													
	11.0	71.7	26.4	13.2	.7							11.0	1.1

TOTAL NUMBER OF OBSERVATIONS 110

U.S. AIR FORCE
 12-12-64
 12-12-64

SURFACE WIND

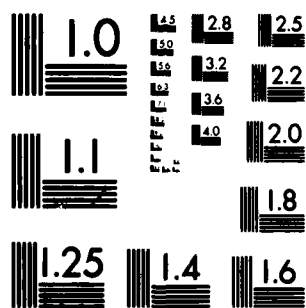
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAO A A STATION NAME LAO A A YEARS 71-80 MON 12-11
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME WIND SPE
N	1.7	3.4	1.7	.7	.7							1.7	
NNE	.7	2.7	7.7									.7	
NE	.7	2.7	1.7									.7	
ENE	1.7	2.7	1.7	.7								.7	
E	.7	2.7	2.7	.6								.7	
ESE	.1	.7	1.7	.6								.7	
SE	.4	.9	1.7	.7								.7	7
SSE		1.1	1.7	.6								.7	
S	.7	1.1	1.4	.3	.1							.4	
SSW	.7	.3	.7	.1	.2							.7	
SW	.1	1.6	1.5	.6	.2	.1						.7	
WSW	.1	.7	1.2	.7	.2							.7	
W	.7	.2	1.6	.3								.7	
WNW	.7	.7	.9	1.7	.2	.2						.7	
NW	.7	1.2	1.1	1.6	.1							1.7	
NNW	1.7	2.3	1.4	1.7	.9	.2						.7	
VARBL	.7	.7	1.1									.7	
CALM												1.7	
	12.2	24.1	41.3	11.9	2.1	.6						.7	

TOTAL NUMBER OF OBSERVATIONS

13227



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1001 LAJES AD A2 STATION NAME 71-80 YEARS MONTH JULY
STATION 1200-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.8	7.0	2.0								10.3	8.3
NNE	.7	3.6	3.3	1.0								8.6	7.1
NE	.9	4.0	3.2	.7								5.9	6.5
ENE	.8	3.6	1.9	.6								6.6	6.4
E		2.0	4.7	.7								7.3	7.9
ESE		.7	.6	.2	.1							1.2	8.9
SE	.2	.4	1.6	.2	.2							2.7	5.6
SSE	.4	.7	2.6	.9								4.6	8.5
S	.4	1.0	.8	.4								2.7	7.0
SSW	.2	.7	1.1	1.0	.1							3.1	9.3
SW		1.0	1.2	.6	.1							2.9	8.8
WSW	.1	.7	1.6	.6	.1							3.0	8.7
W	.1	.8	1.1	.6	.4							3.0	9.7
WNW	.1	.2	1.1	1.6	.4							3.4	12.4
NW	.1	.9	4.1	5.6								10.7	11.1
NNW	.2	1.1	7.3	6.2	.7	.3						15.9	11.5
VARBL	.7	.6	1.6									2.8	5.6
CALM												.6	
	5.3	24.2	44.7	22.7	2.2	.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17211 LAJES AB AZ 71-80 JUN 1980-1980
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	4.1	6.8	3.4								11.2	8.7
NNE	.9	1.9	2.2	.3								5.3	6.6
NE	.7	3.0	2.7	.8								7.1	6.8
ENE	.7	2.9	1.2	.2								5.2	5.9
E	.4	3.3	3.2	.9								7.9	7.0
ESE	.1	.2	1.0	.2	.1							1.7	8.5
SE		.7	2.0	.7	.2							3.6	9.3
SSE	.2	1.3	2.6	.7								4.2	7.8
S	.3	1.7	.7	.6	.1							3.0	7.7
SSW	.2	1.2	1.0	.2	.1							2.6	7.1
SW	.1	1.1	1.7	.8								3.7	8.2
WSW		.7	1.8	1.2								3.7	9.5
W	.1	.3	1.6	.4	.2							2.7	9.6
WNW		.3	.9	2.2	.1							3.6	12.2
NW	.2	.9	4.8	5.6	.6							11.9	11.1
NNW	.2	1.4	6.6	6.7	.8							15.8	10.6
VARBL	.7	.6	.6									1.8	4.6
CALM												.9	
	5.7	25.2	41.1	24.9	2.2							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1121 LAJES AB AZ 71-80
STATION STATION NAME YEARS
ALL WEATHERED
CLASS
CONDITION
JUN
MONTH
1800-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	5.1	5.3	2.4								13.7	7.7
NNE	1.3	1.3	1.6	.1								4.3	5.7
NE	1.0	1.8	2.1									4.9	5.9
ENE	1.9	1.4	1.1									4.3	4.7
E	1.4	3.6	1.2	.3								5.6	5.4
ESE	.1	.7	.7	.1								1.5	6.9
SE	.2	1.6	1.9	.6								4.8	6.9
SSE	.3	1.4	1.7	.1								3.6	6.8
S	.6	1.6	1.1	.1	.3							3.7	6.8
SSW	.1	1.7	1.0	.3	.1							3.2	7.1
SW	.3	1.7	1.0	.3								3.6	6.6
WSW	.3	1.3	1.1	.2								3.7	6.4
W	.2	1.6	1.2	.4	.1							3.6	7.4
WNW	.4	.6	2.3	2.2	.1							5.7	9.5
NW	.3	2.6	6.6	3.0	.3							12.8	9.2
NNW	.9	2.1	7.2	5.2	.1							15.6	9.4
VARBL	.4		.2									.7	4.0
CALM												4.4	
	11.2	30.3	37.3	15.6	1.1							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

172-1 STATION LAJES AB AZ STATION NAME 71-80 YEARS JUN MONTH 2100-2300 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	5.3	.0								10.5	7.2
NNE	.6	1.2	.9									2.7	5.9
NE	.6	.6	1.6									2.7	6.5
ENE	1.6	1.0	.8	.1								3.4	4.8
E	1.0	1.0	.6	.6								3.1	6.1
ESE	.3	1.1	.4									1.9	5.5
SE	.2	.9	.9	.7								2.7	7.9
SSE	.3	1.2	1.6	.2								3.3	6.8
S	1.4	.7	.7	.1	.2							3.1	5.7
SSW	1.2	1.0	.4	.8	.1							3.6	6.7
SW	.8	1.3	.9	.1								3.1	5.5
WSW	.8	.8	.4									2.0	4.7
W	2.0	1.6	1.3	.3								5.2	5.3
WNW	.9	1.1	2.8	1.4								6.2	8.0
NW	1.1	3.0	3.7	1.3	.2							9.3	7.7
NNW	1.3	2.8	4.9	4.6	.1							13.7	8.8
VARBL			.2									.2	7.0
CALM												23.2	
	15.1	22.5	27.4	11.1	.7							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10201 LAJES AB A2 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUN
MONTH
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.5	5.9	2.2	.0							12.5	7.9
NNE	.6	1.8	1.7	.3								4.4	6.5
NE	.6	1.4	1.6	.2								4.3	6.3
ENE	1.0	1.7	.9	.3								4.0	5.8
E	.8	1.9	1.7	.5	.0							4.9	6.7
ESE	.3	.6	.6	.2	.0							1.7	7.2
SE	.4	.9	1.2	.5	.1							3.0	7.7
SSE	.4	1.2	1.6	.4	.0							3.6	7.2
S	.9	1.0	.8	.5	.1							3.3	6.6
SSW	.5	1.0	.8	.3	.1							2.8	6.9
SW	.6	1.4	1.3	.4	.0	.0						3.8	6.9
WSW	.5	.9	1.1	.4	.0							2.9	7.2
W	1.0	1.2	1.1	.3	.1							3.7	6.3
WNW	.7	1.2	1.8	1.7	.1	.0						5.5	8.8
NW	.9	1.8	4.5	3.3	.2							10.7	9.1
NNW	.7	1.9	6.1	4.4	.4	.1						13.5	9.7
VARBL	.3	.3	.6									1.1	5.5
CALM												14.5	
	11.0	24.1	33.3	15.9	1.2	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 7199

CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17201 STATION LAJES AB AZ 71-80 YEARS JUL MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	3.5	1.5								2.7	7.0
NNE	.4	1.5	1.8	.5								4.3	7.1
NE		.4	.9									1.3	7.3
ENE	1.2	2.0	1.3	.1								4.6	5.3
E	.8	1.6	.3									2.7	4.4
ESE	.2	.4	.5									1.2	5.5
SE	.3	.2	.1									.6	3.7
SSE	1.0	.9										1.8	3.6
S	1.7	.6	.3	.1								2.8	3.8
SSW	1.5	2.0	1.0									4.5	4.7
SW	1.6	.9	1.3	.6								4.4	6.0
WSW	1.0	1.1	.4	.4								2.9	6.1
W	3.4	2.2	.8									6.3	3.0
WNW	1.9	3.3	1.1	.6								7.0	5.4
NW	.8	1.9	1.8	.5	.2							5.3	6.8
NNW	.5	.8	1.1	1.2	.1	.1						3.6	9.3
VARB		.1	.2									.3	6.3
CALM												36.5	
	17.8	23.1	16.5	5.7	.3	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 980

3
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

17201 STATION LAJES AB AZ 71-80 YEARS JUL MONTH
ALL WEATHER CLASS 100-0500 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.5	4.3	1.6								5.5	7.6
NNE	.3	1.1	2.3	.3								4.0	7.1
NE	.4	1.4	.9									3.7	6.0
ENE	1.6	1.1	.2	.1								3.3	4.0
E	.4	1.0	.8									2.2	5.3
ESE	.4	.4	.1									1.0	4.1
SE	.3		.1									.4	4.0
SSE	1.6	.2										1.8	2.6
S	1.6	.6	.2	.1								2.6	3.8
SSW	.9	1.4	.6	.4								3.3	5.8
SW	1.5	1.6	1.6	.8								5.5	6.4
WSW	1.3	1.4	.5	.3								4.0	5.0
W	3.0	1.6	.6	.2								5.5	4.2
WNW	1.4	1.7	1.0	.5								4.6	5.6
NW	1.2	2.7	2.9	.8								7.5	6.6
NNW	.4	.6	1.9	.9	.2	.1						4.1	9.1
VARBL	.1											.1	2.0
CALM												39.2	
	17.6	18.8	18.0	6.0	.2	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 936

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 2 1 LAJES AB AZ 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUL
MONTH
0600-0800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.2	3.1	2.0								5.8	7.7
NNE	.5	1.3	1.4	.2								3.4	6.7
NE	.6	2.2	1.1	.2								4.1	5.7
ENE	1.3	1.6	1.3	.1								4.3	5.3
E	.8	1.8	.6	.2								3.4	5.7
ESE	.3	.5	.1									1.0	3.9
SE	.3	.7	.1									.6	4.2
SSE	1.6	.9	.3									2.8	3.6
S	1.7	.6	.3									2.7	3.6
SSW	.8	.7	1.0	.3								2.9	6.0
SW	1.2	1.1	1.2	.9	.3							4.5	7.5
WSW	1.3	1.1	1.1	.4								3.9	6.3
W	1.8	2.0	1.0	.1								4.9	4.6
WNW	1.6	2.8	1.6	.4								6.5	5.9
NW	1.2	2.6	3.1	.4	.1							7.4	6.7
NNW	.5	1.4	3.3	1.5	.2							7.0	6.6
VARBL		.1										.1	4.0
CALM												31.5	
	16.5	23.9	20.6	6.9	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

121 LAJES AB AC STATION NAME 71-80 YEARS JUL MONTH 1980-1180 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.3	5.5	2.7								14.4	7.7
NNE	1.4	3.5	2.5	1.2								5.6	6.7
NE	2.2	2.6	1.2									5.9	4.7
ENE	.8	5.1	3.3	.4								9.6	6.1
E	1.1	2.9	2.3	.2								6.5	5.9
ESE	.3	.9	.9									2.0	6.2
SE	.1	1.2	.6	.2								2.2	6.6
SSE	.6	1.3	.9	.2								3.0	5.8
S	.4	1.2	.8	.1								2.5	6.0
SSW	.2	1.0	.2	.6	.2	.2						2.5	9.9
SW	.3	1.3	1.9	1.1	.2							4.8	8.8
WSW	.4	1.2	1.8	.6								4.1	8.1
W	.2	.3	.3	.5								1.4	8.9
WNW	.8	.6	2.4	.5								4.3	7.7
NW	1.2	1.0	4.1	2.9		.3						10.4	9.1
NNW	1.1	2.6	6.0	3.2	.3							13.2	8.6
VARBL	.3	.4	.5									1.3	5.8
CALM												3.3	
	12.7	32.9	35.2	14.6	.8	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11211 LAJES AB AZ 71-80 JUL
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.3	7.2	3.7	.3							15.3	8.9
NNE	.5	4.0	3.7	.2								8.4	6.7
NE	.9	5.3	1.7									7.7	5.5
ENE	.6	3.3	4.3	.3								8.6	6.8
E	.6	2.7	5.3	.4								9.0	7.0
ESE	.1	.5	1.1	.1								1.9	7.1
SE	.2	1.1	.9	.2								2.4	6.8
SSE	.2	.4	1.2	.1								1.9	7.1
S	.3	1.0	.8									2.0	6.0
SSW	.2	.8	1.2	.6	.2							3.0	9.4
SW		1.0	1.6	.9	.4							3.9	10.2
WSW		.2	2.0	1.0								3.2	10.0
W		.8	1.2	.6								2.6	8.9
WNW	.3	.3	1.1	.6								2.4	8.7
NW	.8	1.7	3.9	4.2	.4	.2						11.2	10.1
NNW	.8	1.4	5.5	4.6	.3							12.6	10.0
VARBL	.2	1.0	1.5	.1								2.3	6.7
CALM												1.1	
	6.5	28.8	44.0	17.7	1.7	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAJES AB AZ STATION NAME LAJES AB AZ YEARS 71-80 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 1800-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.4	3.4	3.2								15.6	6.7
NNE	.8	3.0	4.1									7.8	6.6
NE	1.2	3.0	2.4	.1								7.5	5.7
ENE	.3	4.0	2.6	.1								7.0	6.2
E	.3	3.4	3.1	.3								7.2	5.9
ESE	.2	.4	1.3	.3								2.3	7.7
SE	.2	1.8	1.3									3.3	6.7
SSE	.3	.6	1.2	.1								2.3	6.6
S	.2	1.7	.1									1.3	5.0
SSW		.6	1.8	.2								2.7	7.4
SW	.2	1.1	2.8	1.6	.1							5.6	8.2
WSW	.1	.9	1.6	.6								3.2	8.5
W	.2	.5	.9	.8								2.5	8.7
WNW	.2	.4	.5	1.0								2.2	8.9
NW	.8	1.3	4.4	4.3	.5							11.3	10.1
NNW	.4	2.0	4.7	6.7	.2	.1						14.2	10.4
VARBL	.4	.8	1.0	.2								2.4	6.3
CALM												1.5	
	6.5	29.4	42.2	19.6	.9	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 LAJES AB AC 71-80 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1600-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.5	6.9	1.7								17.4	7.7
NNE	1.2	2.2	2.4									5.7	5.7
NE	1.6	2.0	.9									4.5	4.6
ENE	1.2	3.7	1.6									6.5	5.3
E	1.3	3.3	1.4									6.0	5.3
ESE	.7	1.4	.6									2.4	5.4
SE	.4	1.0	.6									2.3	5.3
SSE	1.2	1.4	.5									3.3	4.1
S	1.2	.9	.3									2.4	3.9
SSW	.2	2.7	.9									3.1	5.6
SW	.4	2.7	1.2	.6	.3							5.3	7.4
WSW	.1	1.2	.6	.3								2.3	7.0
W	.5	1.0	1.1	.9								3.4	7.6
WNW	1.0	1.4	1.5	.6								4.5	6.9
NW	1.5	3.4	6.1	2.9	.1							14.2	5.0
NNW	.9	1.8	5.2	3.3	.3							11.5	9.2
VARBL	.5	.2	.1									1.0	3.6
CALM												6.1	
	15.7	35.1	31.9	10.4	.8							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 230

U.S. AIR FORCE
 CLIMATE BRANCH
 AFM 7-10.1
 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAUREL AFB STATION NAME LAUREL AFB YEARS 71-80 JUL MONTH 2100-2300
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.0	4.6	1.6	.1							11.0	7.6
NNE	1.2	1.6	2.8	.1								5.7	6.4
NE	.4	1.4	.9									1.7	5.1
ENE	.2	1.3	1.3	.1								3.4	6.2
E	.6	1.9	.8									3.2	5.1
ESE	.3	.3	.1									.8	4.3
SE	.6	.3	.1									1.1	3.8
SSE	1.2	.8										1.7	3.1
S	1.7	.8	.1									2.5	3.1
SSW	1.3	1.3	.5	.3								3.4	5.2
SW	1.6	2.8	1.1	.3								5.6	5.1
WSW	1.5	1.3	.2	.2								3.0	4.6
W	3.4	2.0	.4	.2								6.1	3.9
WNW	1.4	3.0	.9	.3								6.0	5.6
NW	.5	1.4	2.8	.8								5.5	7.7
NNW	.6	.9	2.7	1.4	.1							5.8	8.5
VARBL	.3		.3									.6	5.3
CALM												71.5	
	10.3	25.1	19.6	5.4	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11211 LAJES AP A2 71-80 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.7	3.5	5.4	2.3	.1							12.3	7.4
NNE	.2	2.3	2.6	.3								5.0	6.6
NE	.9	2.4	1.2	.7								4.5	5.4
ENE	.2	2.6	2.3	.2								5.2	5.8
E	.7	2.3	1.8	.1								5.7	6.5
ESE	.3	.6	.6	.1								1.5	5.9
SE	.3	.7	.5	.1								1.6	5.7
SSE	1.7	.8	.5	.1								2.4	4.6
S	1.1	.9	.4	.0								2.4	4.3
SSW	.6	1.2	.9	.3	.1	.0						3.2	6.6
SW	.2	1.5	1.6	.8	.2							5.0	7.5
WSW	.7	1.1	1.2	.5								3.3	7.0
W	1.6	1.3	.8	.4								4.1	5.4
WNW	1.1	1.7	1.2	.6								4.7	6.3
NW	1.7	2.1	3.6	2.1	.2	.1						9.1	5.4
NNW	.7	1.4	3.8	2.8	.2	.0						9.0	9.4
VARBL	.3	.3	.5	.0								1.1	5.2
CALM												18.5	
	13.9	27.1	28.5	10.8	.7	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

121 STATION LAJES AR AZ STATION NAME 71-83 YEARS 408 MONTH 1000-0200 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.7	2.3	.6								6.6	6.7
NNE	.5	1.2	.5	.4								2.7	6.4
NE	.3	1.1	1.1	.5								3.0	7.2
ENE	.6	1.1	1.9	.5								4.2	7.3
E	.3	1.7	.9									2.9	5.6
ESE	.3	.1	.6									1.1	6.9
SE	.3	.3	.4	.1								1.6	5.5
SSE	.5	.5	.5	.4								2.0	6.7
S	1.7	.5	.6									2.2	4.9
SSW	1.7	1.1	1.1	.3								4.2	5.4
SW	2.3	2.3	1.6	.2								6.3	5.4
WSW	1.7	1.2	1.4	.1								4.4	5.4
W	3.8	2.4	.6	.4								7.2	4.3
WNW	1.6	1.8	.6	.4								4.5	5.4
NW	1.0	1.4	1.7	.6	.1							4.8	7.0
NNW	.1	1.5	1.5	.9								4.0	6.1
VARBL	.3		.1									.4	3.5
CALM												37.8	
	17.4	21.3	17.6	5.7	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 2 1 LAJFS AB AZ 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
AUG
MONTH
1300-2600
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.6	2.5	.3	.1	.1						7.0	6.6
NNE	.3	.9	.4	.3	.1							2.0	7.1
NE	.0	.8	.2	.4								2.3	6.1
ENE	.5	1.7	1.8	.9								4.2	6.0
E	.5	.4	1.7	.1								2.0	6.4
ESE	.4	.5	.3	.1								1.4	5.2
SE	.6	.4	.6	.1								1.8	6.0
SSE	1.1	.9		.2								2.2	4.3
S	1.7	.5	.5									2.5	4.3
SSW	1.4	.5	.6									2.8	4.4
SW	.6	1.8	2.2	.6								5.3	7.3
WSW	1.7	1.4	1.2									4.3	4.7
W	3.3	1.8	.5	.3								6.0	4.3
WNW	2.4	2.2	.6	.5								5.7	5.0
NW	.9	1.0	1.6	.5								4.5	7.0
NNW	.5	1.2	1.1	1.4		.1						4.3	6.4
VARBL	.3		.2									.5	4.2
CALM												41.2	
	19.3	18.7	15.5	5.9	.2	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 LAJES AP AM 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
AUG
MONTH
1600-1800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	3.1	.6		.1						5.2	7.7
NNE	.7	1.1	.9									2.2	5.6
NE	.7	1.6	1.1	.5								3.4	7.5
ENE	.5	1.3	1.2	.6								4.0	6.6
E	.4	.5	1.5	.2								2.7	6.9
ESE	.7	.3	.8									1.4	6.4
SE	.8	.7	.3	.1								1.8	5.2
SSE	1.2	1.3	.2									2.7	4.1
S	1.1	1.2	.1									2.4	3.6
SSW	.9	.8	.6	.1								2.4	5.2
SW	1.7	2.7	1.6	.6								5.0	6.0
WSW	2.3	2.4	1.1	.4								6.1	5.1
W	2.3	1.7	1.5	.3								5.8	5.1
WNW	1.2	3.3	.9	.1								5.5	5.1
NW	.9	2.3	2.0	.8	.1							6.0	7.0
NNW	.6	1.7	2.5	1.3		.1	.1					6.3	8.4
VARBL	.1	.2	.1									.4	4.6
CALM												34.6	
	15.3	24.5	19.4	5.8	.1	.2	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

121
STATION

LAJES AB AZ

STATION NAME

71-80

YEARS

100
MONTH

ALL WEATHER
CLASS

1900-1100
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.2	4.2	1.8	.1							11.2	7.5
NNE	.5	2.4	1.7	.2								4.3	6.4
NE	.3	2.5	1.9	.3								5.5	6.4
ENE	1.6	3.7	2.6	1.3	.1							7.2	6.6
E	.9	3.1	2.0	.3								6.2	6.3
ESE	.4	.9	1.1	.1								2.4	6.4
SE	.6	1.9	1.2	.3								4.1	6.2
SSE	.4	1.4	1.5	.2								3.5	6.2
S	.4	1.2	.5	.3								2.5	5.9
SSW	.4	1.7	1.2	.3								3.7	6.6
SW	.5	2.6	2.3	.3								5.7	6.5
WSW	.5	.8	2.9	.3								4.5	7.6
W	.2	.8	1.2	.2								2.4	7.5
WNW	.9	1.5	2.0	1.2	.2							5.8	6.0
NW	1.3	2.3	6.0	2.9	.2							12.7	8.6
NNW	1.1	2.9	4.2	1.8	.2							10.1	8.0
VARBL	.5	.8	.5									1.8	4.9
CALM												3.2	
	12.5	33.7	37.1	12.0	.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

121 STATION LAJES AB AZ STATION NAME 71-80 YEARS MONTH 12 1970 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.5	5.9	.9								12.4	7.0
NNE	.5	2.4	2.5	.4								5.8	6.7
NE	.6	2.6	2.6	.5								6.3	6.9
ENE	.3	3.1	2.8	1.4								7.6	7.6
E	.6	2.4	4.7	.9								7.8	7.1
ESE	.1	.6	.8	.2								1.7	7.4
SE	.4	1.0	1.4	.4								3.2	7.3
SSE	.4	.2	1.1	.6								2.9	7.6
S	.2	1.1	1.8	.2								3.3	7.0
SSW	.3	1.3	1.8	.4								3.9	7.7
SW		1.6	1.4	.8								3.8	8.0
WSW	.2	.2	3.3	.6								5.1	8.1
W	.2	.3	1.1	.3								2.4	7.7
WNW	.4	.2	1.4	1.8	.3							4.7	9.6
NW	.1	2.8	5.3	4.6	.1							12.9	9.4
NNW	.4	1.9	6.7	3.3	.1							12.5	9.1
VARBL	.8	.6	.6									2.0	4.9
CALM												1.6	
	6.9	29.0	44.4	17.5	.5							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATE CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAJES AD A2 STATION NAME LAJES AD A2 YEARS 71-80 ALL WEATHER CLASS ALL WEATHER MONTH 1500-1700
 HOURS (L.S.T.) 1500-1700
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.7	5.6	1.2								11.3	7.1
NNE	1.5	3.5	1.6	.1								6.8	5.4
NE	1.6	3.3	2.3	.5								7.7	6.0
ENE	1.7	2.2	3.2	1.3								8.4	7.1
E	.5	3.0	3.5	.2								7.3	6.5
ESE	.2	.5	.5	.1								1.4	6.6
SE	.2	.9	1.1	.4								3.2	6.4
SSE	.5	1.5	1.1	.3								3.4	6.7
S	.8	.6	.8									2.2	5.5
SSW		.8	1.7	.4								2.9	8.4
SW	.1	1.5	3.7	.4								5.7	8.1
WSW	.2	1.1	2.2	.5								4.0	8.0
W	.1	.2	.8	.1								1.8	7.1
WNW	.2	.1	1.8	2.5	.2							5.5	10.0
NW	.4	1.9	5.4	4.2	.2							12.2	9.5
NNW	.4	2.6	6.3	3.5								12.9	8.9
VARBL	.6	.4	.6									1.7	4.8
CALM												1.1	
	10.9	29.6	42.2	15.9	.4							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17211 LAJES AB AZ 71-80
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
AUG
MONTH
1970-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	1.1	3.1	3.4	1.2	.1							5.9	7.1
NNE	1.6	2.8	1.1									5.5	4.8
NE	.9	2.5	1.1	.2								4.5	5.5
ENE	1.7	2.5	1.9	.6	.1							6.2	6.2
E	1.1	2.4	1.6	.3								5.4	5.6
ESE	.5	.6	1.0									2.2	5.7
SE	1.3	1.1	.4	.3								3.1	4.9
SSE	1.3	1.0	.8	.1								3.1	5.1
S	1.7	1.3	.1	.1								3.2	3.7
SSW	.5	1.2	.2	.1								2.0	4.9
SW	1.5	2.9	2.8	.5								7.7	6.5
WSW	.9	1.5	1.9	.3								4.6	6.4
W	1.4	.6	1.0	.2								3.2	5.4
WNW	1.2	1.4	2.3	.6	.1							5.6	6.9
NW	.9	2.8	6.1	1.9								11.7	8.0
NNW	1.1	3.5	4.7	1.5								10.9	7.5
VARBL	1.0	.1	.2	.1								1.4	3.2
CALM												10.0	
	19.5	31.3	30.6	8.3	.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 LAJES AB AZ 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
2100-2300
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5	2.2	.9								6.2	6.9
NNE	.3	1.6	1.0									2.9	5.7
NE	.5	1.9	.6	.1								3.2	5.3
ENE	.3	1.1	1.9	.9								4.2	6.0
E	.5	1.1	1.1	.2								2.9	6.1
ESE	.2	.4	.9									1.5	6.1
SE	.3	.5	.5	.2								1.6	6.2
SSE	1.1	.4	.4	.2								2.2	4.9
S	1.2	1.0	.2	.2								2.6	4.3
SSW	2.3	1.4	1.1	.3								5.1	5.2
SW	1.9	2.6	1.4									5.9	4.9
WSW	2.3	1.7	.6	.2								4.8	4.5
W	3.9	1.3	.1	.3								6.6	3.8
WNW	1.5	1.7	.8	.9								4.8	6.2
NW	.6	2.3	1.3	.6								4.8	6.8
NNW	.2	2.1	2.6	1.1								5.9	7.8
VARBL	.1	.1	.3									.5	6.2
CALM												35.2	
	18.1	23.7	17.0	6.1								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17201 LAJES AB A2 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
AUG
MONTH
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	3.6	.9	.0	.0						5.4	7.1
NNE	.7	2.0	1.2	.2	.0							4.1	5.9
NE	.7	2.0	1.4	.4								4.5	6.3
ENE	.9	2.1	2.2	.9	.0							6.1	7.1
E	.6	1.8	1.9	.3								4.7	6.4
ESE	.7	.5	.7	.1								1.6	6.3
SE	.6	.9	.8	.3								2.6	6.0
SSE	.6	1.0	.7	.3								2.6	5.8
S	1.0	.9	.6	.1								2.6	4.9
SSW	.9	1.1	1.0	.3								3.4	6.0
SW	1.1	2.2	2.1	.4								5.9	6.5
WSW	1.2	1.4	1.8	.3								4.7	6.2
W	1.9	1.3	.8	.3								4.3	5.0
WNW	1.2	1.6	1.3	1.0	.1							5.3	7.0
NW	.8	2.2	3.7	2.0	.1							8.7	8.3
NNW	.6	2.2	3.7	1.9	.0	.0	.0					8.4	8.4
VARBL	.5	.3	.3	.0								1.1	4.7
CALM												20.7	
	14.6	26.5	28.0	9.7	.3	.1	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 7440

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1021 LAJES AB AZ 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
SEP
MONTH
000-0200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.7	1.8	.9								4.0	7.6
NNE	.7	.7	.8	.2		.2						2.6	7.7
NE	.2	1.2	1.1	.1								2.7	6.1
ENE		1.1	1.2	.1								2.4	7.2
E	.3	.9	1.6	2.1	.1							5.0	9.3
ESE	.3	.9	.4	.2	.3							2.2	6.2
SE	1.0	1.1	.6	.8	.1							3.6	7.0
SSE	1.2	1.9	1.3	.1								4.6	5.5
S	1.7	1.9	1.4	.2	.3							5.6	6.3
SSW	.2	.3	.6	.6	.2							1.9	9.4
SW	1.4	1.8	2.0	.9	.2							6.3	7.2
WSW	2.0	1.9	.6	.4								4.9	5.1
W	2.3	1.4	.7	.2								4.7	4.7
WNW	1.1	1.8	1.1	.1								4.1	5.7
NW	1.0	1.2	1.3	1.8	.6	.1	.1					6.1	9.9
NNW		.4	1.6	2.1	.2							4.3	10.7
VARBL	.1											.1	3.0
CALM												34.2	
	14.1	20.2	18.0	10.9	2.1	.3	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

172.1 STATION LAJES AB A7 STATION NAME 71-80 YEARS SEP MONTH 1960-0500 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	2.0	.8		.1						3.9	8.5
NNE	.1	2.1	.3	.2								3.4	6.1
NE	.1	1.1	.9	.1								2.2	6.8
ENE	.1	.3	1.1									1.6	6.8
E	.7	.4	.7	1.3								3.1	8.0
ESE	.2	.4	1.3	1.0	.2							7.2	10.0
SE	.8	.9	1.2	1.1								3.9	7.9
SSE	1.0	1.3	.9									7.2	9.5
S	1.9	1.6	1.3	.8								3.4	6.3
SSW	1.1	1.2	1.2	.3								3.9	6.2
SW	1.3	1.9	1.4	.1	.1							4.9	5.6
WSW	.9	1.7	1.4	1.0								5.0	7.2
W	3.2	2.9	.6	.3								7.0	4.4
WNW	1.1	.9	1.0	.4								3.4	6.5
NW	.2	1.3	2.4	1.6	.2	.3						6.1	10.2
NNW		.2	2.1	2.4	.1	.1						5.0	11.0
VARBL	.2											.2	2.0
CALM												34.4	
	13.3	19.0	20.4	11.6	.7	.6						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1021 LAJES AIR 47 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
SLIP
MONTH
2600-2600
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.7	.7								4.4	7.7
NNE	.1	1.4	1.0	.3								2.8	7.2
NE	.2	.7	1.3	.2								2.4	7.5
ENE	.2	.7	.8	.3								2.1	7.2
E	.6	.3	.9	1.8	.1	.1						3.5	10.4
ESE	.1	1.1	1.0	1.1	.1							3.4	8.7
SE	.4	.9	1.3	.7								2.3	7.6
SSE	1.7	1.6	.4	.2								3.9	4.5
S	1.6	2.0	1.1	.3								5.0	5.4
SSW	1.6	.8	1.1	.4	.1							4.0	6.3
SW	1.0	2.0	1.6	.9	.2							5.7	7.1
WSW	.7	2.1	1.9	.6								5.2	6.4
W	2.9	2.2	1.3	.4								6.9	5.2
WNW	1.1	1.1	.8	.9								3.9	6.9
NW	.1	1.4	2.1	1.3	.3	.1	.2					5.7	10.6
NNW		.4	2.2	3.1	.7	.2						6.7	12.0
VARBL	.2											.2	2.5
CALM												3.4	
	12.6	20.6	20.9	13.3	1.6	.4	.2					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAJES AT AY STATION NAME LAJES AT AY YEARS 71-80 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.9	3.7	1.4								7.9	5.0
NNE	.4	.9	1.8	.3								3.4	7.7
NE	.8	.9	2.3									3.9	6.8
ENE	.7	1.4	1.3	.6								3.7	7.7
E	.3	2.3	4.1	1.9	.1							8.8	6.2
ESE	.5	.6	1.1	1.0	.6							3.1	9.1
SE	.4	1.2	2.3	1.8								5.8	8.0
SSE	.9	1.1	2.1	.4								4.5	8.5
S	.7	1.7	1.8	.8								4.8	7.5
SSW	.8	1.4	2.2	.3								4.4	7.8
SW	.6	2.3	3.5	1.2	.2	.1						8.2	8.5
WSW	.1	1.6	2.6	1.0	.1							5.3	8.6
W	.6	.4	.7	.8								2.4	8.9
WNW	.9	.9	2.2	.6								4.5	7.4
NW	.9	2.4	4.3	2.7	.8	.4	.1					11.7	10.0
NNW	1.7	2.2	3.0	3.6	.7	.3						12.8	10.0
VARBL			.1									.1	8.7
CALM												5.8	
	20.5	23.2	30.4	18.3	2.4	.9	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1721 LAJES AB AC 71-80 SEP
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.1	4.9	.0	.1							6.2	7.8
NNE	.2	2.1	2.0	.1								4.4	6.8
NE	.1	1.7	2.2	.3								4.3	7.5
ENE	.3	1.8	2.8	.3								5.2	7.1
E	.7	2.6	5.2	2.1	.4							10.7	8.8
ESE	.1	.3	1.7	2.2	.1							4.4	10.5
SE	.6	1.2	1.9	1.6	.1							5.3	8.7
SSE	.1	1.0	2.8	1.0								4.9	6.5
S	.7	1.0	1.7	.3								3.2	7.7
SSW		1.1	2.7	.6								4.3	6.2
SW		1.7	4.6	.8	.2							7.2	6.9
WSW	.2	1.3	3.3	1.3	.1							6.3	9.1
W	.1	.6	1.7	.6	.4							2.7	10.1
WNW	.7	.2	1.3	1.3	.1							3.3	10.6
NW	.2	1.2	3.6	4.4	.9	.3						11.2	11.2
NNW	.6	1.4	4.2	4.3	1.6	.1						12.2	11.1
VARBL		.3	.4	.1								.9	7.0
CALM												1.0	
	3.7	22.2	46.2	22.3	4.1	.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 2 1 LAJES AB AB 71-80 SEP
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1980-1980
MONTH
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	3.1	1.2								6.9	7.9
NNE	.7	2.2	.9	.1								3.9	5.4
NE	.7	2.0	3.6	.3								6.6	6.5
ENE	.9	2.7	1.9	.3								5.0	6.5
E	.9	2.4	3.6	2.8	.2	.1						10.0	6.7
ESE	.1	.6	2.8	1.2	.3							5.0	9.2
SE	.7	1.1	2.0	.9								4.2	6.1
SSE	.6	1.4	3.9	.7								6.6	7.6
S	.3	1.9	1.9	.3								4.4	7.3
SSW	.1	1.7	3.0									4.1	7.4
SW		1.6	3.8	1.0	.6	.2						7.1	10.0
WSW	.1	.9	1.8	.3	.1							3.2	4.3
W	.4	.4	1.7	.2								2.5	7.4
WNW		.6	1.8	1.2	.1							3.7	10.2
NW	.4	2.2	4.7	3.7	1.7	.2						12.2	10.4
NNW	.3	2.2	4.1	5.1	1.0							12.3	10.8
VARBL	.3	.1	.2									.7	4.3
CALM												.9	
	6.3	24.9	44.6	19.4	3.3	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 201 STATION LAJES AB AZ STATION NAME 71-80 YEARS SEP MONTH 1900-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	2.2	.6								4.3	4.7
NNE	.2	1.0	1.7									3.7	6.4
NE	.2	1.0	1.3	.1								3.5	6.3
ENE	.3	.9	1.0	.2								2.9	6.0
E	.7	1.7	2.2	2.2	.1	.1						7.0	9.0
ESE	.1	2.0	2.0	.7	.3	.2						5.3	6.9
SE	1.0	1.3	1.1	.3								3.3	5.8
SSE	1.0	3.1	1.8									6.0	5.1
S	2.0	2.3	1.6	.6								6.4	5.8
SSW	.9	2.1	.6	.3								3.9	5.8
SW	.6	1.3	2.1	1.0	.3	.1						5.4	6.9
WSW	1.0	1.7	1.0									3.7	5.3
W	1.0	1.7	.4	.1								4.1	4.2
WNW	1.4	3.3	1.9	.8		.1						7.6	6.5
NW	1.7	2.8	3.1	1.7	.7	.2						10.1	6.3
NNW	.6	.3	2.4	3.6	.6	.1						7.6	11.5
VARBL	.2	.1	.2									.6	5.0
CALM												17.3	
	16.1	29.9	26.7	12.1	2.0	.9						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

121 LAJES AB AC 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
SEP
MONTH
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	1.7	.9	.2							4.8	8.1
NNE	.1	2.7	.9		.1							3.4	6.3
NE	.3	.7	.4	.3								1.9	6.6
ENE	.4	.4	.7	.2								1.8	6.9
E	.2	1.3	1.7	2.0	.3	.1						5.7	10.1
ESE	.3	1.3	1.0	.7		.2						3.6	8.3
SE	.2	1.1	1.3	.7								3.3	7.5
SSE	1.7	2.4	.7	.3								5.3	4.7
S	1.9	2.3	1.7	.4	.1							6.4	6.0
SSW	1.1	1.0	.8	.9	.1							3.9	7.5
SW	.9	1.9	1.3	.4								4.5	6.6
WSW	1.2	1.4	1.2	.4								4.3	5.9
W	1.9	1.6										3.4	3.5
WNW	1.3	1.8	1.4									4.6	5.2
NW	1.2	1.4	1.1	1.9	.6	.2						6.4	9.3
NNW	.2	.8	1.2	2.7	.9							5.3	11.8
VARB	.2	.1	.1									.4	4.0
CALM												70.0	
	14.3	23.7	17.2	11.9	2.3	.6						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/LMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 211 LAJES AP AZ 71-80
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
SEP
MONTH
ALL
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	2.7	.9	.0	.0						5.3	7.2
NNE	.3	1.7	1.2	.2	.0	.0						3.5	6.6
NE	.2	1.3	1.7	.2								3.4	6.8
ENE	.4	1.1	1.3	.3								3.1	6.9
E	.5	1.5	2.5	2.0	.2	.1						6.7	9.5
ESE	.2	.9	1.4	1.0	.2	.1						3.2	9.3
SE	.6	1.1	1.5	1.0	.0							4.2	7.7
SSE	1.2	1.7	1.7	.3								5.0	6.1
S	1.2	1.9	1.6	.5	.1							5.1	6.4
SSW	.2	1.1	1.5	.4	.1							3.3	7.1
SW	.7	1.8	2.6	.8	.2	.1						6.2	6.1
WSW	.8	1.6	1.7	.6	.0							4.7	7.1
W	1.7	1.4	.8	.3	.1							4.2	5.5
WNW	.2	1.3	1.4	.7	.0	.0						4.4	7.1
NW	.7	1.8	2.8	2.4	.6	.2	.1					6.7	10.0
NNW	.3	1.7	2.6	3.4	.7	.1						9.1	11.0
VARBL	.2	.1	.1	.0								.4	4.7
CALM												18.6	
	11.3	23.0	29.2	15.0	2.3	.6	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7200

AL CLIMATOLOGY BRANCH

DATA

AIR FORCE SERVICE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 141 10-11-47 STATION NAME ALL EARTH YEARS 1948 MONTH 01-12-1948
CLASS ALL EARTH
CONDITION ALL EARTH
HOURS (L.S.T.) 0000-2400

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.7	3.4	1.6	.8							.0	1.7
NNE	.0	.5	.4	.9	.1							.0	.5
NE	.1	.0	1.0	.3								.0	.8
ENE	.0	1.1	1.1	.4	.5							.0	1.1
E	.1	.0	.9	.2	.3							.0	.8
ESE	.2	.0	1.1	.5	.1							.0	.8
SE	.0	1.0	1.3	1.1	.1							.4	7.9
SSE	.0	3.1	1.4	.4								.6	1.6
S	.0	2.4	.8	1.4	.2	.2						.0	7.1
SSW	.2	1.3	1.2	1.2	.4							.0	7.4
SW	1.0	1.5	1.2	1.2								.0	7.1
WSW	.0	1.0	1.6	.5	.1							.0	7.3
W	1.0	1.0	.4	.4	.1							.4	.5
WNW	.0	1.7	2.6	1.5	.6							.0	.3
NW	.0	1.1	.9	.1	.6							.0	1.0
NNW	.0	.0	2.5	4.0	1.0	.4						.0	12.0
VARBL	.0											.0	2.5
CALM												.0	
	1.0	21.0	22.6	18.8	5.1	.6						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 13

3
CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 12-1 A A STATION NAME ALL EARTH YEARS 1960-1962 MONTH 1960-1962
CLASS ALL EARTH
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.0	7.0	2.0	.0	.7						.0	0.3
NNE		1.0	.0	.6	.1							2.6	.8
NE		.7	.7	.3	.7							.1	11.2
ENE	.0	1.1	1.0	.3	.4							.0	1.0
E	.0	.3	.4	.1	.3							.0	3.6
ESE	.0	1.1	.0	.5								2.0	7.0
SE	.0	1.0	1.6	.9	.1							.0	7.0
SSE	.0	3.3	1.2	.6	.1							.0	5.6
S	1.0	1.7	1.2	1.1	.1							.0	0.0
SSW	.0	1.1	.0	1.4	.3							4.4	.2
SW	.0	1.7	1.5	1.3	.3	.1						5.0	9.9
WSW	1.0	1.0	.7	.1								3.0	6.0
W	1.0	2.2	1.6	.4								5.7	.7
WNW	.0	1.3	1.3	1.4	.6	.4						.4	11.1
NW	.0	1.3	2.5	2.7	.4	.1						7.3	1.2
NNW	.1	.0	2.6	3.7	1.1	.2						.0	12.3
VARBL													
CALM												2.0	
	11.7	22.4	21.3	17.5	5.4	1.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7

AT COLUMBIA GRA CH

STATION

A STATION SERVICE MAG

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 2 1 STATION NAME CLASS CONDITION MONTH HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.2	4.1	2.1	.7							.7	.7
NNE		.	.1	1.3								.	1.6
NE	.3	.	.4	.2	.2	.1						.	.9
ENE	.1	.	.5	.6	.1	.2						.2	1.3
E	.	.	.5	.1	.7							.6	.5
ESE	.	1.1	.5	.4								.	7.
SE		1.3	1.4	.6	.1							.	7.
SSE	1.4	2.	1.7	.3	.1	.1						.5	.7
S	.3	2.4	1.	1.7	.1							.4	.7
SSW	.	.	.9	.5	.7	.1						.3	.4
SW	.	1.0	1.6	1.1	.5	.1	.1					.	1.2
WSW	1.2	.	.6	.6			.1					.3	.7
W	2.	2.	2.5	.5								.4	.7
WNW	1.2	1.	2.4	1.0	.6	.2						.	.4
NW	.	1.3	2.8	2.2	.2	.2						.6	1.1
NNW	.	1.3	2.2	2.7	1.0	.9						.9	1.2
VARBL	.											.	2.
CALM												.1	
	12.	20.1	23.2	17.2	4.7	1.9	.2					100	7.

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY BRANCH

STAG

AIR FORCE SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1000 A-40 STATION NAME ALL LEATH YEARS 71-72 MONTH 10-11
CLASS CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	3.4	1.0	.0	.0						.0	1.3
NNE	.0	.0	.0	.0								2.0	0.0
NE		1.1	1.0	.3	.0							.0	.0
ENE	.0	1.1	.0	1.6	.4							4.0	.0
E	.0	1.0	1.1	.4	.3							2.0	.4
ESE	.0	1.0	1.0	1.0								.0	7.6
SE	.0	1.0	2.0	1.1								.0	0.0
SSE	1.0	2.4	2.6	.0								.1	.7
S	.1	2.0	1.3	1.1	.6	.1						.0	.4
SSW	.1	1.3	1.0	1.0	.5	.1						4.0	2.0
SW	.3	.0	1.0	1.2	.5							.4	1.2
WSW	.0	1.0	1.0	.6								.4	7.6
W	.0	1.0	1.2	1.1								.5	7.0
WNW	.0	2.0	1.0	3.0	1.0	.1						.0	1.0
NW	.1	1.0	3.3	2.0	.0	.1						.0	2.0
NNW	.0	1.4	2.7	4.3	1.0	.9	.0					11.0	1.0
VARBL	.0	.1	.1									.0	0.0
CALM												.7	
	10.0	23.1	20.2	23.0	6.5	1.5	.3					100.0	.7

TOTAL NUMBER OF OBSERVATIONS 100

AF CLIMATOLOGY BRANCH
 DTAG
 FORT MONROE, VIRGINIA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10 A A STATION NAME 11-80 YEARS 1980-1980 MONTH 1980-1980
 CLASS ALL DATA
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	4.5	1.7	.9	.3						.1	9.7
NNE	.1	.4	.4	.6	.1							.1	.1
NE	.1	1.3	1.0	.8								3.1	7.1
ENE	.1	1.1	1.6	1.2	.1							4.1	5.3
E	.1	2.1	1.7	.8	.4							.6	6.1
ESE	.1	.1	2.2	1.1								4.1	1.7
SE		2.1	3.1	.1								.1	7.1
SSE	.1	1.1	3.5	.6	.1							.1	5.2
S	.1	2.1	1.4	1.1	.2	.1						.1	6.2
SSW	.1	1.3	1.3	1.3	.5	.2						.1	13.7
SW	.1	1.1	1.0	1.1	.5		.1					.6	.1
WSW	.1	1.1	1.7	.3	.2							3.5	.1
W	.1	.1	1.6	1.2	.1							.1	9.1
WNW	.3	.1	1.4	2.3	1.6							.1	11.7
NW	.2	1.1	4.9	5.2	1.1	.1						1.2	11.1
NNW	.1	1.1	2.1	4.7	1.4	.6	.1					1.1	12.6
VARBL	.1	.2	.3									.1	6.1
CALM												.1	
	.1	22.7	37.1	24.5	7.3	1.6	.3					1.1	7.7

TOTAL NUMBER OF OBSERVATIONS 1000

U. S. AIR FORCE
 CLIMATOLOGY BRANCH
 AFMTC
 AIR FORCE SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2-1 AFMTC STATION NAME AFMTC YEARS 7-8 MONTH 1-12
 CLASS ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.4	2.0	2.3	.5	.1						.4	.9
NNE	.0	1.3	.0	.4	.1							.1	.1
NE	.0	.0	.0	.4	.1							.2	.5
ENE	.0	1.3	1.5	.9	.0							.4	1.0
E	.0	1.0	1.2	.6	.1							.0	.7
ESE	.0	1.0	1.4	.9								.0	.7
SE	.0	1.0	1.2	1.1								.0	.7
SSE	.3	2.0	2.2	.8								.1	.6
S	.0	2.3	1.6	.4	.4	.1						.0	.8
SSW	.0	1.7	1.1	1.0	1.0	.1						.5	.7
SW	.0	2.0	1.4	.9	.5							.0	.8
WSW	.0	1.4	1.6	.2								.0	.7
W	.0	1.0	2.2	1.2	.2							.5	.7
WNW	.3	.0	2.4	2.6	1.1							.0	1.2
NW	.1	2.2	5.6	3.8	1.0							13.5	.7
NNW	1.2	.0	7.0	5.2	1.9	.5	.2					1.0	12.4
VARB	.0		.0									.2	.0
CALM												1.0	
	10.2	25.5	32.0	22.5	7.1	.9	.2					100.0	.9

TOTAL NUMBER OF OBSERVATIONS 5

U.S. AIR FORCE
 CLIMATOLOGICAL BRANCH
 AFMTC
 AIR WEATHER SERVICE, MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 121 STATION NAME ALL-WEATHER YEARS 1-40 MONTH 1-10-50
 CLASS ALL-WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.7	2.0	1.9	.5	.1						.7	9.0
NNE	.0	.0	1.4	.2	.1							.0	.0
NE	.0	1.0	1.6	.2								.0	.0
ENE		.0	1.6	.3	.1							.0	.1
E	.0	.0	.6	.1	.5							.0	.0
ESE	.0	1.0	1.7	.5								.0	7.1
SE	.0	1.3	1.4	.4								.1	6.4
SSE	.0	1.0	1.9	.5								.3	.0
S	.1	2.3	.5	.5	1.1							.0	6.0
SSW	.0	.0	1.2	.4	.2	.1						.0	.4
SW	.0	1.2	1.2	1.0	.4	.1						.4	9.1
WSW	1.0	.0	.0	.3	.1							.0	6.6
W	1.0	1.0	1.3	.6								.4	6.3
WNW	.1	2.4	2.2	1.7	.3							.8	.2
NW	.0	1.0	3.2	3.3	.5	.1						.0	1.3
NNW	.4	.0	2.3	4.4	1.2	.5						.7	12.0
VARBL	.0	.1										.0	.3
CALM												.6	
	1.3	20.5	25.7	16.7	5.2	1.0						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 100

U.S. NAVAL CLIMATOLOGY BRANCH
 P. I. TAC
 A. I. C. I. T. SERVICE, I. I. TAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100-200 STATION NAME ALL WEATHER YEARS 1950-1951 MONTH 100-200
 CLASS ALL WEATHER
 CONDITION ALL WEATHER
 HOURS (L.S.T.) 100-200

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.1	.2	1.1	1.4	.6	.7						.8	1.4
NNE	.1	.1	.6	.8								.3	.5
NE		.1	1.3	.7								.2	.5
ENE	.1	.1	1.6	.5	.5							.2	1.1
E	.1	.6	.3	.2	.7							.1	.7
ESE	.1	.1	1.8	.2								.1	.7
SE	.2	1.2	2.2	1.7								.5	7.2
SSE	.1	1.5	1.7	.6								.1	.1
S	2.1	2.1	1.1	.8	.7	.7						.1	7.3
SSW	.1	1.3	.1	.9	.3	.1						.1	.7
SW	1.1	1.1	1.2	.9	.7							.5	7.1
WSW	.1	1.2	1.1	.3	.1							.3	6.1
W	.1	2.1	1.4	.3	.7							.1	.2
WNW	.1	1.3	1.3	2.2								.4	.2
NW	.1	1.1	2.6	2.2	.5							.4	1.9
NNW	.1	.1	2.7	3.2	1.1	.5						.5	12.1
VARBL	.1		.1									.1	.7
CALM												.3	
	13.1	19.1	24.2	16.9	4.5	1.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1000

AL CLIM TOLOGU TRACH

STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

ALL DATA

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	3.	1.	.6	.1						.0	1.
NNE	.7	.	.6	.7	.1							5.4	.
NE	.3	.	1.	.3	.1	.						2.	7.
ENE	.3	.	1.2	.7	.3	.7						3.3	.
E	.	.	.	.7	.3							1.	1.1
ESE	.	1.	1.3	.6	.							.7	1.6
SE	.	1.	1.8	.7	.							.	1.
SSE	1.	2.4	2.2	.6	.7	.7						.6	.
S	.	2.2	1.1	1.	.4	.						.1	7.
SSW	.	1.1	1.3	1.	.7	.1						4.5	.1
SW	.	1.	1.5	1.0	.4	.7	.					.	6.3
WSW	.	1.1	1.2	.4	.1		.					1.	4.7
W	.2	1.7	1.6	.7	.1							.	.
WNW	.	1.	2.2	2.1	.7	.1						.	1.1
NW	.	1.	2.2	3.3	.6	.1						.	1.
NNW	.	.	2.3	4.7	1.4	.6	.1					.1	12.
VARBL	.	.1	.1									.	4.6
CALM												1.2	
	11.	21.7	26.8	19.6	5.7	1.2	.1					1.2	7.7

TOTAL NUMBER OF OBSERVATIONS

4

U.S. AIR FORCE
 AIR FORCE
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ALL-STATE CLASS: MONTH: 100-1000 HOURS (L.S.T.):
 STATION: YEARS: CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.0	1.0								.1	.4
NNE	.0	.0	1.0	.3	.7							.4	.7
NE		.0	.0	.1								.0	.0
ENE	.0	.0	.0	1.0								.0	1.0
E	.0	1.0	1.0	1.0								.3	.9
ESE	.0	1.0	1.0	1.0	.1							.4	4.0
SE	.0	2.0	2.0	.9	.7							.3	7.7
SSE	.0	.0	1.0	.0								.4	7.0
S	.0	1.0	2.0	1.0	.7	.4						.9	7.0
SSW	1.0	1.0	2.1	1.0	.9							.0	.0
SW	.0	1.0	1.1	1.1								.3	6.0
WSW	1.2	1.0	1.0	.2								.0	.0
W	.0	1.4	.7	.1								.0	4.5
WNW	.0	1.2	1.0	.6	.7							.0	.0
NW	.0	1.0	1.2	.7	.7	.1						.0	1.0
NNW	.1	.0	.0	1.7	.4	.1						.4	11.0
VARBL													
CALM												.5	
	.0	21.1	26.4	17.2	3.1	.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 100

3

SURFACE WINDS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.	1.3	1.4								4.5	.0
NNE		.5	.5	.6								.5	1.0
NE	.5	.5	.7	.8								1.5	2.0
ENE		.5	.5	.9								1.5	11.7
E	.7	1.	1.6	1.2	.7							.7	8.7
ESE	.1	.5	2.2	1.7	.1							4.5	4.7
SE	1.2	2.	1.9	1.8	.1							.8	.7
SSE	.7	3.5	2.8	2.1	.2							1.5	7.3
S	.1	2.	2.2	1.7	1.6							.8	.5
SSW	.2	1.2	.6	.9	.7							.6	7.0
SW	.5	1.5	1.2	1.0	.4							.5	7.5
WSW	.5	1.2	.5	.2								.5	1.2
W	.7	2.	.7									.2	1.2
WNW	.5	.5	1.5	.9	.1							.5	.7
NW	.1	.5	.7	.9	.2	.7						.1	11.0
NNW		.5	1.5	.7	1.0	.1						.5	11.0
VARBL	.5											.5	2.5
CALM												.2	
	4.5	22.3	22.3	15.2	4.7	.4						5.5	5.5

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
11 64

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFSTAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION USAFETAC STATION NAME AFSTAC YEARS 1950-1951 MONTH 1-12
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	2.2	.7	.6							4.8	7.0
NNE	.1	.1	.3	.3								1.0	.7
NE	.1	.1	.4	.3								.8	.7
ENE		.1	.7	.7	.1							1.6	1.1
E	.1	.7	1.4	1.3	.7							4.2	11.1
ESE	.1	.1	2.1	1.7	.1							4.0	7.0
SE	.1	2.3	7.1	1.0		.1						1.0	7.7
SSE	.1	4.1	4.4	2.9	.3							1.6	7.4
S	.1	2.7	1.1	1.1	.7	.2	.1					1.2	6.1
SSW	1.1	.1	1.1	.6	.9							4.3	6.2
SW	.1	1.1	1.1	.9	.4							.8	7.9
WSW	1.1	1.1	1.2	.2	.1							.4	5.4
W	.1	1.1	.9	.2								1.0	4.0
WNW	.1	.9	.6	.9	.1							3.0	6.2
NW	.1	.6	.9	1.6	.8	.7						.3	11.2
NNW	.1	.6	1.3	.9	.3							3.5	6.3
VARBL	.1	.1		.1								.8	6.4
CALM												.2	
	.2	21.7	23.1	16.0	5.1	.6	.1					4.0	6.7

TOTAL NUMBER OF OBSERVATIONS 100

U.S. AIR FORCE CLIMATOLOGICAL SERVICE

STATION

STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

ALL DATA

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.1	3.1	.	.7	.1						.	.
NNE	.	.5	1.1									1.1	6.1
NE	.	.3	.2	.4								1.1	7.1
ENE	.7	.	1.1	1.7		.						.3	7.1
E	.	1.1	1.2	1.7	.7	.4						.1	10.1
ESE		1.1	2.3	1.1	.3							.	4.3
SE	1.1	1.1	3.4	1.2	.1							.8	7.1
SSE	.2	4.4	5.1	4.1	.6	.1						.6	1.1
S	1.2	1.1	2.1	3.1	.6							.7	9.1
SSW	1.0	1.1	.8	1.7	.4							.	8.1
SW	.	2.2	2.4	1.1	.7	.1						.	4.4
WSW	.	.1	2.0	.7	.1							3.1	8.1
W	.	.5	1.1	.4	.1							.	5.4
WNW	.	.	.6	.7	.1							1.1	3.7
NW	.	1.3	1.7	1.2	.7	.1						5.1	9.1
NNW	.	.7	2.0	1.6	.3	.3						.	9.1
VARBL	.7	.7	.2									.	.
CALM												.	.
	1.1	21.6	32.8	21.0	4.9	1.4						10.1	1.1

TOTAL NUMBER OF OBSERVATIONS

CLIMATE CLIMATOLOGY BRANCH
 AFAC
 AIR FORCE SERVICE/444

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1000 A-1 STATION NAME 10-20 YEARS 19-40 MONTH 10-14
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	2.4	1.3	.2	.1						.0	.4
NNE	.0	.3	.0									.0	.1
NE	.0	1.1	.7	.1								.1	.4
ENE	.0	1.2	1.2	.9	.2							.0	.7
E	.0	1.0	2.6	1.7	.5	.2						.7	9.0
ESE	.0	1.1	1.3	.5								4.6	.0
SE	.0	1.1	3.0	1.8	.3							.7	1.9
SSE	.0	3.3	7.2	.9	.3							.1	9.5
S	.0	2.1	3.6	2.8	.7	.4						1.2	.7
SSW	.0	1.2	1.3	2.4	.6							.0	10.3
SW	.0	1.1	2.4	1.1	.6	.1						.4	1.3
WSW	.1	.0	1.1	1.2	.1							.0	.3
W	.2	.0	1.2	.4								.2	7.7
WNW	.0	1.0	2.1	.9	.1	.2						.4	5.5
NW	.2	1.1	2.3	2.1	.6	.2						.4	7.6
NNW	.0	.7	2.4	2.4	.7	.1						.0	1.4
VARBL	.0	.3	.4	.2								1.3	.1
CALM												.0	
	.3	19.1	37.4	26.3	4.9	1.4						1.1	.3

TOTAL NUMBER OF OBSERVATIONS 100

AL CLIMATOLOGY DATA CH
 STATION
 WEATHER SERVICE DATA

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
 CLASS _____
 CONDITION _____
 HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	2.0	1.8	.3		.1					.4	6.7
NNE	.0	.4	.4	.4	.1							.1	9.1
NE	.0	.0	.7	.3								.0	7.0
ENE	.0	1.0	.7	1.0	.4							.7	9.0
E	.0	1.3	2.6	1.7	.6							.7	9.2
ESE	.0	1.0	1.4	1.8								.0	5.0
SE	.0	2.0	3.3	1.7								.4	6.1
SSE	1.0	3.4	7.8	2.6								1.1	8.1
S	.0	.1	2.7	2.6	.6	.1						.3	8.9
SSW	.0	1.0	1.2	1.1	.7	.3						.1	10.4
SW	.0	2.0	1.7	1.3	.2							.0	7.0
WSW	.0	1.2	1.8	.9								.0	6.2
W	.3	.0	.9	.6	.2							.2	6.8
WNW	.0	.7	2.3	.6								.4	7.7
NW	.0	1.0	2.4	1.7	.9	.1						.0	1.0
NNW	.0	.0	2.3	2.2	1.1							.7	11.3
VARBL	.0	.2		.1	.1							.0	3.0
CALM												.0	
	0.1	24.1	34.9	22.2	5.1	.6	.1					6.0	6.6

TOTAL NUMBER OF OBSERVATIONS _____

U.S. AIR FORCE
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE/MAL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LA JOLLA AFB STATION NAME LA JOLLA AFB YEARS 1961-1962 MONTH 1-12
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.	1.4	1.6	.2							4.0	7.7
NNE		.	.4	1.2	.1							.1	11.0
NE	.7	.	.8	.4								.1	.0
ENE	.	.	.8	.2	.							.0	8.6
E	.	.4	1.2	1.7	.7							4.0	13.3
ESE	.7	1.4	1.0	1.1								.0	9.1
SE	.0	2.7	3.7	.9	.1							7.0	7.6
SSE	.1	3.1	6.4	1.9								13.0	7.0
S	.1	3.4	2.8	1.1	.0	.1						13.3	7.8
SSW	1.0	1.2	1.4	.8	.0	.2						.0	9.1
SW	.0	2.4	1.0	.4	.2							.0	8.7
WSW	.	.0	.6	.7	.1							.0	.0
W	1.2	1.0	.4	.4	.3							4.0	.0
WNW	.	.	1.7	.6	.1							.0	.1
NW	.	.6	1.0	1.7	.6	.2						.3	11.4
NNW	.	.2	1.3	1.6	.7	.1						.0	11.0
VARBL	.	.1	.2									.0	.0
CALM												1.6	
	1.2	21.2	24.0	16.8	4.6	.7						10.0	7.1

TOTAL NUMBER OF OBSERVATIONS 100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1-80 STATION NAME 1-80 YEARS 1-80 MONTH 1-80
 CLASS 1-80 HOURS (L.S.T.) 1-80
 CONDITION 1-80

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.	2.	1.2								4.	.7
NNE	.	.3	.	.7								.	.3
NE	.	.3	.6	.4								1.	.
ENE	.	.4	1.1	.7								.3	.7
E	.	1.1	1.7	1.3	.7							4.	.7
ESE	.7	.	2.0	1.8	.7							.	.5
SE	.	1.4	1.2	1.1	.1							.	.7
SSE	.2	3.	5.4	2.7	.7							11.	.4
S	.4	3.1	2.9	.6	.7	.7	.					11.	.7
SSW	1.	2.1	.9	1.6	.2	.1						.1	7.7
SW	1.4	1.	1.8	.9								.	.7
WSW	.2	1.	1.3	.3								.	.7
W	.2	1.4	.6	.7	.1							.	.7
WNW	.	1.3	1.2	.3	.1	.1						.3	.7
NW	.2	.	1.7	.7	.5	.7						.	11.
NNW	.	.7	1.4	.9	.8	.1						.	11.
VARB				.1								.	11.
CALM												11.	
	14.	21.4	28.7	16.3	3.3	.8	.1					11.	6.7

TOTAL NUMBER OF OBSERVATIONS 11.7

U.S. AIR FORCE
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100-1 100-1 STATION NAME 100-1 YEARS 100-1 MONTH 100-1
 CLASS ALL
 CONDITION 100-1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	2.1	1.2	.2	.1	.1					.1	.1
NNE	.1	.7	.7	.4	.1							.1	.4
NE	.1	.5	.5	.3								.1	.7
ENE	.1	.5	.5	.2	.2	.1						.1	.9
E	.1	1.1	1.1	1.5	.7	.1						.2	.5
ESE	.1	1.1	1.2	1.6	.1							.1	.1
SE		2.2	3.2	1.4	.1	.1						.5	.7
SSE	.1	3.2	5.5	.1	.3	.1						.4	.4
S	.1	2.4	2.6	1.9	.7	.2	.1					.1	.4
SSW	1.1	1.4	1.2	1.2	.7	.1						.1	.9
SW	.1	1.1	1.7	1.0	.3	.1						.1	.7
WSW	.1	1.1	1.4	.6	.1							.1	.7
W	1.1	1.2	.5	.4	.1							.1	.9
WNW	.1	.9	1.7	.7	.1	.1						.3	.2
NW	.1	.1	1.4	1.3	.6	.2						.1	.1
NNW	.1	.5	1.5	1.5	.6	.1						.1	.9
VARBL	.1	.1	.1	.1	.1	.1						.1	.2
CALM												1.3	
	1.7	21.4	27.0	12.7	4.4	.8	.1					1.3	7.5

TOTAL NUMBER OF OBSERVATIONS 100-1

AL CLIMATOLOGY DATA CENTER
 TAC
 DATA SERVICE TAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 142 STATION NAME ALBUQUERQUE YEARS 11-30 MONTH SEP
 CLASS ALL HOURS (L.S.T.) 000-0200
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.4	1.4	.0	.4	.4						.7	12.1
NNE		.0	.0	.0								.2	1.0
NE	.0	.0	1.1	.6								.3	.7
ENE		.0	1.1	1.3	.3							.3	1.7
E	.0	.5	1.9	1.4	.5							.4	1.8
ESE	.0	.0	1.1	1.5	1.3	.3	.0					.6	1.5
SE	.0	.0	1.6	1.2	.0	.1						.1	1.7
SSE	1.0	2.0	1.7	1.4	.0							.2	7.7
S	1.0	1.0	2.2	1.2	.4	.1						.0	7.0
SSW	.0	1.0	2.0	.8	.5	.0						.0	8.9
SW	.02	2.5	2.6	1.8	.9	.0	.1					.0	.7
WSW	1.1	1.0	1.5	1.1	.3	.1						.0	7.4
W	.0	1.9	1.5	1.1	.4	.0						.0	4.1
WNW	.0	1.5	1.4	1.1	.1							.3	.7
NW		.0	2.0	1.8	.6	.6	.2					.6	1.1
NNW	.1	.0	1.2	1.5	.5	.9	.0	.1				.1	14.5
VARBL		.0	.2									.3	.7
CALM												1.4	
	.9	19.7	25.1	14.1	7.7	3.2	.6	.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 AIR WEATHER SERVICE/ANAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-1 STATION NAME 10-1 YEARS 10-1 MONTH 10-1
 CLASS ALL WEATHER
 CONDITION
 HOURS (L.S.T.) 10-1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	1.2	.9	.3	.2						.1	11.1
NNE	.1	.4	.8	.5								.1	.3
NE	.1	.1	1.3	.8								.3	.9
ENE	.1	.2	.5	1.2	.2							.3	11.1
E	.1	1.6	1.1	1.0	.4	.2						.4	11.1
ESE	.1	.1	1.0	1.5	1.5	.4	.1					.4	11.1
SE	.1	.4	1.7	1.6	.4	.1						.4	11.1
SSE	1.1	1.6	2.4	1.6	.1							.4	.1
S	.1	1.1	1.6	1.1	.2							.1	11.1
SSW	.1	1.3	1.4	1.1	.5	.2						.1	.6
SW	.1	1.6	3.3	1.9	.9	.2						1.1	.4
WSW	.1	1.1	2.2	1.6	.5	.2						.1	.4
W	1.1	2.2	1.8	1.5	.5	.2						.1	.1
WNW	.1	1.2	2.5	.6	.1	.1						.3	11.1
NW	.2	.1	2.0	1.4	.5	.4	.1					.1	12.1
NNW	.1	.1	1.2	1.4	.5	.5	.1	.2				.1	15.3
VARBL	.1											.1	2.1
CALM												.2	
	.4	16.3	25.1	21.2	8.0	3.3	.3	.2				100.0	.7

TOTAL NUMBER OF OBSERVATIONS 1

AT CLIMATE DATA CENTER

NO

DATE: SERVICE: MAP

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: STATION NAME YEARS: MONTH
CLASS: ALL DATA
CONDITION: 00-000
HOURS (L.S.T.):

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0	1.4	.4	.7						.0	10.2
NNE		.0	.0	1.2	.1							.0	11.9
NE		.0	1.1	.4								.0	.1
ENE		.0	1.0	1.0	.0							.0	.0
E	.0	.0	1.4	1.9	.2	.4						.1	11.1
ESE		.0	.0	1.7	1.7	.6						.0	1.1
SE	.3	.0	1.2	2.2	1.0	.1						.0	11.0
SSE	.0	1.3	2.7	1.2	.2							.0	.0
S	1.2	1.0	2.5	.6	.6	.0						.0	.7
SSW	1.2	.0	1.2	.1	.1	.1						.0	.0
SW	1.0	1.7	1.7	1.3	.0	.4	.1					.0	1.4
WSW	1.0	1.5	2.2	1.7	.6	.4						.7	9.0
W	1.0	3.2	1.9	2.0	.0	.3						.0	.9
WNW	.0	1.3	2.2	1.1								.0	.0
NW		.0	1.4	1.1	.6	.3	.1					.4	12.0
NNW		.0	1.2	2.0	.6	.5	.3					.1	1.0
VARBL	.0	.4										.0	.0
CALM												.0	
	.9	1.0	23.5	21.0	5.2	3.4	.5					1.0	.0

TOTAL NUMBER OF OBSERVATIONS:

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFSTAC
 AIR WEATHER SERVICE/MAAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAJF, AFB, AL STATION NAME LAJF, AFB, AL YEARS 71-80 MONTH 01
 CLASS ALL CALM HOURS (L.S.T.) 00-1100
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	1.3	2.7	.7	.2						4.1	11.1
NNE	.1	.1	.9	.5								.2	.4
NE		.1	1.3	.5								.2	.6
ENE		.1	1.2	.4	.2	.1						.1	1.2
E	.1	1.1	1.5	2.5	.4	.1						.1	1.2
ESE	.1	.3	1.4	1.5	1.5	.7						.1	1.2
SE	.1	.1	.1	2.2	1.3	.2						.1	1.1
SSE	.1	1.1	3.2	1.6	.2							.1	1.2
S	1.3	1.1	3.2	.9	.2	.2						.1	7.2
SSW	.1	1.1	1.8	1.1	.1							.1	.4
SW	.1	2.1	1.2	1.5	.5	.1						.1	.4
WSW	.1	1.2	1.7	1.1	1.0	.1						.1	1.4
W	.2	1.6	2.4	2.3	.1	.4						.1	.4
WNW	.1	1.1	1.7	1.4	.2	.3	.7					.7	1.1
NW	.4	1.1	1.5	2.2	.4	.3						.1	1.1
NNW		.1	1.4	1.6	1.1	.5	.4					.2	1.5
VARBL	.1	.1	.1									.1	.3
CALM												1.1	
	.1	1.3	26.7	23.7	7.6	3.5	.8					1.1	.1

TOTAL NUMBER OF OBSERVATIONS 1100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		1977-1978
	CONDITION		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.2	1.0	1.0	.0	.1						.0	1.0
NNE	.0	.4	1.0	.2								.0	.0
NE	.7	.0	1.4	.6								.0	.0
ENE	.0	.0	1.5	.5	.7							.0	.0
E	.0	1.2	1.7	2.5	.4	.4						.0	11.0
ESE	.0	.0	1.2	1.0	.7	.7						.0	1.0
SE	.0	.0	2.2	2.0	1.0	.1						.7	11.0
SSE	.0	.0	2.3	3.0	.7							.0	.0
S	.0	2.3	4.0	.6	.7							.4	.0
SSW	.0	1.0	2.2	1.6	.5							.0	.0
SW	.0	1.7	3.2	1.4	.4							.0	.0
WSW	.0	1.2	1.0	1.6	.9							.0	1.0
W	.0	1.1	3.3	1.0	.5	.1						7.0	1.0
WNW	.0	1.1	2.7	1.7	.7	.4	.7					.0	11.0
NW	.0	1.2	4.0	2.0	.6	.5						.9	1.0
NNW	.0	.0	.6	3.3	1.2	.1	.0					.0	1.4
VARBL	.0	.1	.1									.0	.3
CALM												.0	
	.0	14.9	34.6	27.0	5.3	2.6	.5					100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE CLIMATE DIVISION BRANCH
 AFETAC
 AIR FORCE SERVICE / MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100 A A STATION NAME ALL EATING YEARS 1950-1951 MONTH 10-1951
 CLASS CL HOURS (L.S.T.) 10-1951
 CONDITION CL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	1.0	.6							.7	1.0
NNE	.0	.0	.0	.0	.0							.0	.0
NE	.0	.0	1.0	.0								.0	.0
ENE	.0	.0	1.1	.0	.3							.0	.0
E	.0	.0	1.0	2.4	.0							.1	11.0
ESE	.0	.0	1.0	2.0	1.0	.0						.4	1.0
SE	.4	1.0	1.0	1.4	.0	.0						.0	9.0
SSE	.0	2.0	3.5	1.9	.0	.1						.0	.0
S	.0	2.3	2.0	1.0	.4							.0	.0
SSW	.0	1.0	2.0	1.3	.0	.0						.0	.0
SW	.0	2.2	2.7	1.2	.3	.0						.0	.0
WSW	.0	.0	1.0	.9	.0							.0	9.0
W	.1	1.0	2.2	1.3	.3	.1						.0	9.0
WNW	.0	1.4	4.2	2.0	.4	.4						.0	.0
NW	.0	1.0	2.3	1.7	.0	.0	.0	.1				.0	12.0
NNW	.0	.0	1.0	2.0	1.1	.3	.0					.0	10.0
VARBL	.0	.0										.0	.0
CALM												.0	
	.0	0.0	32.0	22.0	7.0	0.2	.0	.1				100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 100

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L.S.T.) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	1.0	1.2	.0							.0	1.0
NNE	.0	.3	.4	.4								.0	.0
NE	.0	.5	.6	.5								.0	.7
ENE	.0	.5	1.8	.5	.7							.0	.0
E	.0	.3	1.4	2.0	.5							.0	1.0
ESE	.0	.5	.4	1.0	1.2	.4	.7					.0	1.0
SE	.0	.0	1.3	1.4	.7	.4						.0	1.0
SSE	.2	1.5	1.8	.9	.6							.0	.1
S	.0	2.0	2.7	1.1	.3	.1						.0	7.0
SSW	1.2	2.0	3.0	.9	.5	.1						.0	0.0
SW	.0	1.0	2.4	1.1	.3							.0	.0
WSW	.0	1.0	2.2	.6	.5							.0	0.0
W	.0	2.0	1.0	1.1	.2	.1						.0	.1
WNW	.0	1.3	2.5	1.4	.7	.3	.1					.0	1.0
NW	.0	.4	.9	1.6	.5	.3	.4					.0	14.4
NNW	.0	.0	1.0	2.4	.6	.5	.1	.2				.0	14.0
VARBL	.0	.0	.2	.1								.0	7.3
CALM												1.0	
	1.0	17.3	25.2	20.3	7.7	2.8	.9	.2				100.0	1.0

TOTAL NUMBER OF OBSERVATIONS _____

AL CLIMATOLOGY BRANCH

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AIR FORCE SERVICE AID

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION STATION NAME YEARS MONTH

CLASS ALL WEATHER

CONDITION

HOURS (L.S.T.) 100-0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	.2	2.4	1.2	.7							.1	10.0
NNE	.0	.2	.2	.3								.0	.0
NE	.0	.2	.9	.0								.6	.0
ENE	.0	.0	1.8	1.5	.1							4.1	.4
E	.0	.2	1.7	.0	.6							.1	11.2
ESE	.0	.6	1.2	1.5	.9	.0	.3					.1	10.2
SE	.0	1.0	.0	1.4	1.2							.0	10.2
SSE	.0	2.7	1.1	1.6	.1							.0	6.1
S	1.1	2.0	2.7	.6	.3							.4	1.0
SSW	1.0	1.6	2.2	1.1	.4							.0	0.1
SW	1.2	1.0	2.7	.9	.2	.0	.0					.0	8.1
WSW	.0	1.0	.0	1.6	.3	.1						.0	0.9
W	.0	1.5	1.7	.4	.2	.1						.5	0.1
WNW	.4	.0	1.7	2.0	.5	.3						.0	11.2
NW	.0	.4	2.3	1.7	.6	.3	.2					.0	12.2
NNW	.0	.2	1.2	1.4	.9	1.0	.4					.2	15.7
VARBL	.0		.0									.2	.0
CALM												10.2	
	17.3	10.3	27.3	20.3	6.7	2.6	1.3					10.0	0.6

TOTAL NUMBER OF OBSERVATIONS 100

AF CLIMATE LOG BRANCH

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	A.L. BAKER		
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0	1.4	.4	.0						.4	1.0
NNE	.0	.4	.7	.6	.0							.0	.9
NE	.0	.0	1.2	.6								.4	.8
ENE	.0	.0	1.3	1.0	.0	.0						.3	.8
E	.3	.0	1.0	2.2	.0	.0						.4	11.3
ESE	.0	.0	1.0	1.7	1.3	.0	.1					.0	1.2
SE	.0	.0	1.4	1.7	.3	.0						.0	11.0
SSE	1.2	1.0	2.3	1.7	.0	.0						.0	.0
S	.1	2.1	2.7	.0	.0	.1						.0	.0
SSW	.0	1.0	2.2	1.0	.4	.1						.0	.7
SW	1.0	1.0	2.3	1.4	.6	.0	.1					.4	7.3
WSW	.0	1.4	1.0	1.3	.5	.1						.0	9.7
W	1.2	1.0	2.0	1.5	.5	.0						.0	.5
WNW	.0	1.3	2.4	1.5	.3	.0	.1					.4	.0
NW	.0	1.1	2.1	1.0	.6	.0	.2	.0				.6	12.0
NNW	.0	.4	1.2	1.8	.3	.1	.7	.1				.6	14.7
VARBL	.0	.1	.1	.0								.0	4.7
CALM												1.0	
	.0	1.0	2.7	21.9	7.8	3.1	.7	.1				13.0	

TOTAL NUMBER OF OBSERVATIONS 7,000

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
METAC
ATMOSPHERIC SERVICE CENTER

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 CAUSE A. A. STATION NAME ALL EATHE YEARS 1951 MONTH ALL
CLASS ALL HOURS (L.S.T.) ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.0	3.0	1.0	.3	.	.	.	.	.	.	.0	2.0
NNE	.	1.1	1.2	.4	.7	.	.	.	.	.	.	.0	.0
NE	.	.2	1.1	.3	.0	.	.	.	.	.	.	.0	5.0
ENE	.	1.2	1.3	.7	.1	.7	.	.	.	.	.	.0	7.8
E	.	1.3	1.7	1.3	.2	.1	.	.	.	.	.	.0	1.0
ESE	.	.	1.0	.7	.2	.1	.	.	.	.	.	.0	.0
SE	.	1.1	1.4	.8	.2	.2	.	.	.	.	.	.0	.
SSE	1.0	1.0	2.1	.9	.1	.7	.0	.	.	.	.	.0	7.0
S	.1	1.0	1.6	.9	.3	.1	.7	.	.	.	.	.0	7.0
SSW	.7	1.1	1.4	1.0	.3	.1	.	.	.	.	.	.0	9.0
SW	.	1.0	2.0	1.4	.4	.2	.0	.	.	.	.	.0	9.3
WSW	.	1.2	1.4	1.0	.3	.1	.7	.0	.	.	.	.0	8.8
W	1.0	1.5	1.3	.8	.2	.1	.7	.0	.7	.	.	.0	7.0
WNW	.7	1.0	2.0	1.5	.4	.1	.	.7	.	.	.	.0	9.3
NW	.	1.0	3.1	2.9	.6	.3	.1	.7	.	.	.	.0	1.0
NNW	.	1.0	.7	2.9	.8	.3	.1	.7	.	.	.	.0	11.0
VARBL	.	.2	.2	.	.2	.	.	.	.	.	.	.0	5.7
CALM	X	X	X	X	X	X	X	X	X	X	X	1.0	
	1.0	27.0	26.8	19.3	4.6	1.6	.3	.7	.2	.	.	100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7555

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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAJ A AT STATION NAME LAJ A AT YEARS 1941 MONTH 1
INSTRUMENT ANEMOMETER CLASS 1400 FT VS 1/2 MI G MOUNT,
CONDITION ANEMOMETER 1/2 T. L-1/2 MI 1000 FT G MOUNT
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	1.1	2.2	.7	.7	.					.6	.
NNE	.	1.2	.9	.5	.1	.7						.1	.
NE	.	1.	1.1	.6	.1							.6	.
ENE	.3	.	1.3	1.3	.1							.1	.7
E	.	1.1	2.2	2.4	1.2	.7						.1	12.
ESE	.2	.	2.3	1.7	.9	.4	.7					.6	12.
SE	.1	1.3	2.4	2.6	.7	.1						.7	16.
SSE	.	2.	4.1	3.6	.7	.7	.					.3	.9
S	.	1.3	2.4	2.1	1.3	.4	.7					.7	11.
SSW	.1	.	1.2	2.1	1.5	.7	.1					.7	11.
SW	.	.4	1.2	1.2	.7	.9	.1					.4	14.
WSW	.	.1	.6	.6	.5	.1	.					.1	13.
W	.	.2	.2	.3	.2							.1	.5
WNW	.	.5	.9	1.4	.1	.1	.1					.4	1.
NW	.	1.1	2.3	2.9	.5	.1		.1				.	10.
NNW	.7	1.1	3.3	3.2	1.1	.3	.1	.1				.9	11.
VARBL	.	.1	.1									.	.7
CALM												.1	
	.5	16.	37.7	26.9	17.2	7.9	.6	.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 171

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .

For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:

Visibility ≥ 3 miles = 95.4%.

Visibility ≥ 2 miles = 96.9%.

Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

CEILING CLIMATOLOGY BRANCH
 AFMPC/ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-01-01
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		73.4	33.4	73.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 2000		36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1800		36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1600		36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1400		36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1200		36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 1000		37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 900		37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 800		38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 700		38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 600		38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 500		39.1	39.3	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 450		39.4	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 400		49.5	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 350		84.8	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 300		91.5	92.3	92.6	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 250		91.9	92.8	93.0	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 200		92.1	93.0	93.2	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 180		92.3	93.2	93.4	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 150		94.8	96.4	96.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 120		96.0	97.4	98.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100		96.0	97.4	98.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 90		96.0	97.8	98.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 80		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 70		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 60		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 40		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 30		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		96.2	98.1	98.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 92

CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1120
STATION

LAUREL AB AZ

STATION NAME

72-81

YEARS

JA
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11-2-57
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		21.4	21.4	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
≥ 2000		72.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4
≥ 1800		72.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4
≥ 1600		71.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.5
≥ 1400		72.7	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 1200		72.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 1000		73.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 900		73.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 800		75.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 700		76.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 600		76.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 500		76.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 450		76.7	36.7	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 400		49.1	47.2	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6
≥ 350		81.9	82.5	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 300		89.9	90.7	91.4	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 250		90.3	91.2	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 200		90.5	91.5	92.1	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800		90.5	91.5	92.1	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500		93.9	95.7	96.6	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200		94.8	96.7	97.6	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		94.9	96.8	97.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		95.1	96.9	97.8	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		95.2	97.0	98.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		95.2	97.0	98.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		95.2	97.0	98.0	99.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		95.2	97.0	98.0	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		95.2	97.0	98.0	99.2	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		95.3	97.1	98.1	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		95.3	97.1	98.1	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		95.3	97.1	98.1	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		95.3	97.1	98.1	99.4	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1120

USAF CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7 1
STATION

LAUREL AFB

STATION NAME

72-01

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1974 AD
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 2000		70.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 1800		70.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 1600		70.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 1400		30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 1200		30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 1000		31.9	31.9	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 900		32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 800		34.2	34.2	34.4	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 700		35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 600		35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 500		35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 450		35.5	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 400		45.2	46.3	46.3	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 350		61.8	82.6	83.1	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 300		90.4	91.5	92.0	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 250		91.4	91.5	92.0	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 200		91.3	92.5	93.0	93.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 180		91.4	92.6	93.1	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 150		94.2	95.7	96.3	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 120		94.7	96.2	97.1	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100		94.9	96.5	97.4	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 90		95.1	96.6	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 80		95.2	96.7	97.6	99.4	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 70		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 60		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 40		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.2	96.7	97.6	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION
 100-100

LAJES A A2

72-81

JA

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-100
 HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
≥ 2000	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
≥ 1800	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 1600	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 1400	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 1200	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 1000	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 800	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 700	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 600	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 500	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 450	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 400	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 350	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 300	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 250	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 180	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 160	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 140	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 120	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 100	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 90	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 80	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 70	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 60	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 50	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 40	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 30	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 20	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 10	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 CLIMATE BRANCH
 METAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1 2 1

PAGES A1 A2

72-81

111

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 2 3-14 15
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 20000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 18000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 16000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 14000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 12000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 10000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 9000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 8000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 7000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 6000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 5000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 4500		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 4000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 3500		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 3000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 2500		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 2000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 1800		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 1500		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 1200		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 1000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 900		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 800		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 700		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 600		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 500		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 400		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 300		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 200		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 100		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 0		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0

TOTAL NUMBER OF OBSERVATIONS

27

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
STATION

LAJES AB AT

STATION NAME

72-81

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 18000 ≥ 16000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 14000 ≥ 12000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 10000 ≥ 9000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 8000 ≥ 7000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 6000 ≥ 5000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 4500 ≥ 4000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 3500 ≥ 3000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 2500 ≥ 2000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1800 ≥ 1500		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1200 ≥ 1000		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 900 ≥ 800		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 700 ≥ 600		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 500 ≥ 400		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 300 ≥ 200		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 100 ≥ 0		21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4

TOTAL NUMBER OF OBSERVATIONS

CLIMATE CLIMATOLOGY BRANCH
 AFM TAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
 STATION

LAUREL AFB

STATION NAME

72-81

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1970-1971
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING		27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000		33.3	33.3	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 18000		34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 16000		34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 14000		34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 12000		34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000		34.6	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 9000		34.6	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 8000		39.7	39.7	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 7000		40.1	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 6000		40.1	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 5000		40.1	40.2	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 4500		40.1	40.2	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 4000		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3500		81.0	81.0	82.2	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000		88.3	89.2	89.5	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500		89.9	90.9	91.3	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2000		90.4	91.5	91.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800		93.2	94.6	95.4	96.8	97.0	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500		94.0	95.7	96.6	98.3	98.5	98.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 1200		94.2	95.9	96.9	98.8	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 1000		94.2	95.9	96.9	98.8	99.0	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 900		94.2	95.9	96.9	98.8	99.0	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 800		94.2	95.9	96.9	98.8	99.0	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 700		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 600		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 500		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0		94.2	95.9	97.0	98.9	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 970

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

LAJES AP AC

72-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING ≥ 20000		32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 18000		35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 16000		35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 14000		36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000		36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 10000		37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 9000		37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 8000		39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 7000		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 6000		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 5000		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 4500		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 4000		49.9	50.1	50.2	50.8	51.3	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 3500		85.5	85.8	86.1	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		93.2	93.1	93.4	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2500		93.2	93.5	93.9	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000		93.2	93.5	93.9	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1800		93.5	93.9	94.2	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500		95.9	96.4	96.8	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		96.4	97.0	97.4	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		96.8	97.3	97.7	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		96.8	97.3	97.7	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		96.8	97.3	97.7	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		96.9	97.4	97.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		96.9	97.4	97.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		96.9	97.4	97.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		96.9	97.4	97.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		96.9	97.4	97.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		96.9	97.4	97.8	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		96.9	97.4	97.8	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		96.9	97.4	97.8	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

CLIMAT CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 121

STATION NAME
 LAJES AFB AZ

YEARS
 72-81

MONTH
 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥1/8	≥1/16
NO CEILING		26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 20000		32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 18000		32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 16000		32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 14000		32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000		32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 10000		33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 9000		33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 8000		37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 7000		37.7	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 6000		37.7	37.8	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 5000		37.8	37.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 4500		38.1	38.2	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 4000		50.2	50.5	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 3500		83.3	83.9	84.2	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000		90.1	91.0	91.3	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500		91.6	91.4	91.7	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000		91.1	92.1	92.4	93.1	93.2	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800		91.4	92.3	92.7	93.4	93.5	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500		94.2	95.5	96.0	97.1	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		95.3	96.7	97.3	98.6	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		95.4	96.8	97.5	98.9	99.1	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		95.4	96.9	97.5	99.0	99.1	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		95.5	96.9	97.6	99.0	99.2	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		95.5	96.9	97.6	99.1	99.2	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		95.5	96.9	97.6	99.1	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		95.5	96.9	97.6	99.1	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		95.5	96.9	97.6	99.1	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		95.5	96.9	97.6	99.1	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		95.5	96.9	97.6	99.1	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.5	96.9	97.6	99.1	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.5	96.9	97.6	99.1	99.3	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7431

CLIMATE CLIMATOLOGY BRANCH
 MACETAC
 AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1701

LAJES AB AZ

72-81

55

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
 1000-0200
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING ≥ 20000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 18000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 16000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 14000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 12000	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 10000	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 9000	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 8000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IV 7000	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 6000	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 5000	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 4500	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 4000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 3500	80.7	81.6	82.1	82.3	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	90.0	91.0	91.7	92.3	92.3	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2500	90.3	91.4	92.1	92.7	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	91.0	92.1	92.8	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1800	91.7	92.1	92.8	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	92.9	94.4	95.9	97.1	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	94.1	95.8	97.3	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	94.6	96.2	97.8	99.4	99.4	99.4	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	94.6	96.2	97.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 142

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJEC A3 A2

74-81

552

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2300-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBLE STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000		21.3 26.8	25.7 26.8	21.4 26.9	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0	25.5 27.0
IV 18000 6000		26.8 26.8	26.8 26.8	26.9 26.9	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0
IV 14000 12000		26.8 26.8	26.8 26.8	26.9 26.9	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0
IV 10000 9000		26.8 26.8	26.8 26.8	26.9 26.9	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0	27.0 27.0
IV 8000 7000		27.6 22.3	27.7 25.5	27.9 26.6	28.0 27.7	28.0 28.7	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8	28.1 28.8
IV 6000 5000		28.3 28.3	28.5 28.5	28.6 28.6	28.7 28.7	28.7 28.7	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8	28.8 28.8
IV 4500 4000		28.7 40.1	28.8 40.3	28.9 40.5	29.0 40.6	29.0 40.6	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7	29.2 40.7
IV 3500 3000		74.3 86.2	75.4 87.8	76.4 89.0	76.9 90.0	77.0 90.1	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2	77.1 90.2
IV 2500 2000		87.1 88.1	88.3 90.0	90.1 91.1	91.4 92.6	91.5 92.7	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8	91.6 92.8
IV 1800 1500		90.2 90.0	90.2 92.4	91.4 93.6	92.9 95.7	93.0 95.9	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0	93.2 96.0
IV 1200 1000		97.3 92.4	94.8 94.9	96.1 96.2	98.6 98.9	98.7 99.1	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4
IV 900 800		92.4 92.4	94.9 94.9	96.2 96.2	99.1 99.2	99.4 99.5	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9
IV 700 600		92.4 92.4	94.9 94.9	96.2 96.2	99.2 99.2	99.5 99.5	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9
IV 500 400		92.4 92.4	94.9 94.9	96.2 96.2	99.2 99.2	99.5 99.5	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 200		92.4 92.4	94.9 94.9	96.2 96.2	99.2 99.2	99.5 99.5	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0		92.4 92.4	94.9 94.9	96.2 96.2	99.2 99.2	99.5 99.5	99.9 99.9	99.9								

TOTAL NUMBER OF OBSERVATIONS 47

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2-1

LAJES AF A2

72-81

FE

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥1/16	≥0
NO CEILING		25.2	25.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 20000		29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 18000		29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 16000		29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 14000		29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 12000		30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 10000		30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 9000		30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 8000		32.6	32.6	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 7000		33.4	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 6000		33.4	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 5000		33.4	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 4500		33.4	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 4000		43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 3500		75.9	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000		77.0	88.4	89.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500		87.4	88.8	89.5	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000		87.8	89.4	90.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		88.3	90.0	90.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500		91.1	92.9	94.0	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		93.2	95.2	96.3	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		93.3	95.3	96.5	98.6	98.6	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		93.3	95.3	96.5	98.8	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		93.3	95.3	96.5	99.1	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		93.3	95.3	96.5	99.1	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0		93.3	95.3	96.5	99.1	99.2	99.5	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 47

UNITED STATES AIR FORCE
 AIR FORCE CLIMATE BRANCH
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1721

STATION NAME
 LAJES AP AC

YEARS
 72-81

MONTH
 05-11-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING		19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 20000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 18000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 16000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 14000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 12000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 10000		31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 9000		31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 8000		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 7000		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 6000		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 5000		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 4500		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 4000		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 3500		74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000		83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500		84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000		84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1200		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 700		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 600		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 500		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 400		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 300		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 200		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 100		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 0		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8

TOTAL NUMBER OF OBSERVATIONS 349

3
JULIAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/4AC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB AZ

72-81

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
12-0-14-0
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 27000		21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 18000 ≥ 16000		32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 14000 ≥ 12000		32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 10000 ≥ 9000		33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 8000 ≥ 7000		38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 6000 ≥ 5000		40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 4500 ≥ 4000		79.0	79.0	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500 ≥ 3000		86.0	87.2	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2500 ≥ 2000		85.7	88.2	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800 ≥ 1500		87.2	89.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200 ≥ 1000		91.9	94.1	95.4	96.5	96.5	96.6	96.6	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8
≥ 900 ≥ 800		92.2	94.6	95.9	97.8	97.8	97.9	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2	98.2
≥ 700 ≥ 600		92.5	94.8	96.2	98.2	98.2	98.7	98.7	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500 ≥ 400		92.5	94.8	96.2	98.4	98.4	98.8	98.8	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3
≥ 300 ≥ 200		92.5	94.8	96.2	98.5	98.5	99.1	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6
≥ 100 0		92.5	94.8	96.2	98.6	98.6	99.3	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 45

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
 STATION

LAJES AM AZ

STATION NAME

72-81

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1960-1970
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
≥ 20000		29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 18000		29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 16000		29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 14000		29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 12000		29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 10000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 9000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 8000		36.9	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 7000		37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 6000		37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 5000		37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 4500		38.8	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 4000		50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3500		80.0	80.4	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000		87.8	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500		88.6	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2000		89.6	90.3	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800		89.6	90.3	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500		91.6	92.9	93.6	94.7	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200		92.6	94.6	95.4	97.1	97.1	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 1000		92.6	94.6	95.8	97.6	97.6	98.2	98.5	98.6	98.7	98.7	98.8	98.9	99.1	99.1	99.1
≥ 900		92.6	94.6	95.8	97.6	97.6	97.8	98.4	98.6	98.7	98.8	98.9	99.1	99.2	99.2	99.2
≥ 800		92.6	95.1	95.9	97.8	97.9	98.5	98.8	98.9	99.1	99.1	99.2	99.3	99.4	99.4	99.4
≥ 700		92.9	95.2	96.0	97.9	98.0	98.6	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.5	99.5
≥ 600		92.9	95.2	96.0	97.9	98.0	98.6	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.5	99.5
≥ 500		92.9	95.2	96.0	97.9	98.0	98.6	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.5	99.5
≥ 400		92.9	95.2	96.0	97.9	98.0	98.6	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.5	99.5
≥ 300		92.9	95.2	96.0	97.9	98.0	98.6	98.9	99.1	99.2	99.2	99.3	99.4	99.5	99.5	99.5
≥ 200		92.9	95.2	96.0	97.9	98.1	98.8	99.2	99.3	99.4	99.4	99.5	99.8	99.9	100.0	100.0
≥ 100		92.9	95.2	96.0	97.9	98.1	98.8	99.2	99.3	99.4	99.4	99.5	99.8	99.9	100.0	100.0
≥ 0		92.9	95.2	96.0	97.9	98.1	98.8	99.2	99.3	99.4	99.4	99.5	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 249

CLIMATE CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
 STATION

LAJES A 4 A 7

STATION NAME

72-81

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1957-1958
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 18000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 16000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 14000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 12000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 10000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 9000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 8000	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 7000	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 6000	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 5000	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 4500	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 4000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 3500	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 3000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 800	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 500	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 400	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 300	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 200	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 100	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS

244

FEDERAL CLIMATOLOGY BRANCH
 AFM ETAC
 AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION

LAUREL AFB AL

72-81

YEARS

72

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH

1-12-72

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		22.5	25.5	28.5	28.5	24.5	24.5	24.5	26.5	25.5	21.5	20.5	25.5	20.5	21.5	20.5
≥ 18000 ≥ 6700		32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 14000 ≥ 12000		32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 10000 ≥ 9500		32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 8000 ≥ 7000		34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 6000 ≥ 5000		35.4	35.4	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 4500 ≥ 4000		35.7	35.7	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 3500 ≥ 3000		43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 2500 ≥ 2000		78.2	78.7	79.5	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800 ≥ 1500		90.5	91.1	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200 ≥ 1000		93.8	94.6	95.1	95.8	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900 ≥ 800		94.7	96.2	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700 ≥ 600		94.7	96.2	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500 ≥ 400		94.7	96.2	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300 ≥ 200		94.7	96.2	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100 ≥ 0		94.7	96.2	96.2	96.8	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 54

U.S. AIR FORCE
 METAC
 METEOROLOGICAL SERVICE/ANAC

CEILING VERSUS VISIBILITY

STATION LAKE ARAB YEARS 72-81 MONTH ALL
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
≥ 1000	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 800	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 600	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 400	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 200	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 100	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 0	1.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 800	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 600	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 400	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 200	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 100	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 800	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 600	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 400	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 200	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 100	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 0	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 600	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 200	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 100	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 200	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 100	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 400	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 200	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 100	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1

TOTAL NUMBER OF OBSERVATIONS 67

CLIMAT. CLIMATOLOGY BRANCH
AFMSTAC
AFM WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1701

STATION NAME
LAJES AB 42

YEARS
71-80

MONTH
1980-12-31

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
1980-12-31
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING ≥ 20000	34.7	36.7	36.7	37.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 18000 ≥ 16000	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000 ≥ 12000	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000 ≥ 9500	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 8000 ≥ 7500	41.7	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 6000 ≥ 5500	41.9	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 4500 ≥ 4000	42.5	42.5	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 3500 ≥ 3000	74.8	79.4	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500 ≥ 2000	88.6	88.6	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800 ≥ 1500	90.6	90.6	90.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200 ≥ 1000	92.0	93.4	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900 ≥ 800	93.3	94.9	96.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700 ≥ 600	93.3	94.9	96.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500 ≥ 400	93.5	94.9	96.2	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300 ≥ 200	93.5	95.2	96.4	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100 ≥ 0	93.5	95.2	96.4	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 420

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AR AZ

STATION NAME

71-80

YEARS

MAC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 2 3 4 5 6 7 8 9 10 11 12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 18000		34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 16000		34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 14000		34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 12000		34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 10000		34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 9000		34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 8000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 7000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 6000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 5000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 4500		37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 4000		51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 3500		81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2500		90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500		93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 900		94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 700		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 600		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 400		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 300		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 200		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 100		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 0		94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9

TOTAL NUMBER OF OBSERVATIONS 427

CLIMAT. CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

PAGES A1-A2

71-80

47

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-2500
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥4	≥0
NO CEILING		22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 20000		28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 18000		28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 16000		28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥ 14000		28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥ 12000		29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 10000		30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 9000		30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 8000		33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 7000		33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 6000		33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 5000		33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 4500		34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 4000		50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 3500		79.2	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000		86.3	87.0	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500		87.4	87.4	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000		87.6	88.3	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800		88.0	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		92.6	93.5	94.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200		93.5	94.5	95.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		93.8	95.7	95.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		93.8	95.0	95.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		94.0	95.3	96.0	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700		94.1	95.4	96.1	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600		94.2	95.5	96.2	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500		94.2	95.5	96.2	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		94.2	95.5	96.2	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300		94.2	95.5	96.2	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200		94.2	95.5	96.2	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100		94.2	95.5	96.2	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0		94.2	95.5	96.2	98.1	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 92

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB AZ

71-80

MA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
JUL-1977
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
≥ 20000		27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 18500		27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 16500		27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 14000		27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 12000		28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 10000		30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 9000		30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 8000		33.8	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 7000		33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 6000		33.9	33.9	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 5000		34.2	34.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 4500		34.8	34.8	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 4000		51.2	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 3500		77.5	77.5	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		84.0	84.4	84.8	85.5	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500		84.5	85.2	85.6	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000		86.2	86.9	87.3	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2
≥ 1800		86.8	87.5	88.0	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
≥ 1500		90.5	91.7	92.7	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3
≥ 1200		91.9	93.1	94.2	95.7	95.7	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.5	96.5	96.5
≥ 1000		92.4	93.5	94.6	96.5	96.5	96.7	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 900		92.5	93.7	94.7	96.6	96.6	96.8	97.3	97.3	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 800		92.6	93.8	94.8	96.7	96.7	97.0	97.6	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.0
≥ 700		92.8	94.0	95.1	96.9	96.9	97.2	97.8	97.8	98.1	98.1	98.1	98.1	98.2	98.2	98.2
≥ 600		92.8	94.0	95.1	97.1	97.1	97.6	98.3	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 500		92.9	94.1	95.2	97.4	97.4	98.1	98.8	98.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 400		92.9	94.1	95.2	97.5	97.5	98.2	98.9	98.9	99.2	99.2	99.2	99.2	99.4	99.4	99.4
≥ 300		92.9	94.1	95.2	97.5	97.5	98.3	99.0	99.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 200		92.9	94.1	95.2	97.5	97.5	98.4	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 100		92.9	94.1	95.2	97.5	97.5	98.4	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 0		92.9	94.1	95.2	97.5	97.5	98.4	99.1	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
METAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

LAJES AIR 42

71-87

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING ≥ 20000		33.1	27.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
≥ 18000		33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 16000		33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 14000		33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 12000		33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 10000		35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 9000		35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 8000		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 7000		39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 6000		39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 5000		39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 4500		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4000		54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3500		80.4	81.0	81.3	81.9	81.9	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3000		85.1	85.7	86.0	86.7	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		86.7	87.3	87.6	88.3	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000		87.2	88.0	88.3	88.9	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800		87.3	88.1	88.4	89.0	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1500		90.1	91.5	91.9	92.7	92.8	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200		91.7	93.3	94.0	95.2	95.4	95.7	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000		92.5	94.2	94.8	96.1	96.3	96.8	96.9	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		92.5	94.2	94.8	96.2	96.5	97.0	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		92.7	94.4	95.2	96.7	96.9	97.4	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		92.8	94.5	95.3	96.8	97.0	97.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		92.9	94.6	95.5	97.1	97.3	98.0	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		92.9	94.6	95.5	97.3	97.5	98.3	98.5	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 400		92.9	94.6	95.5	97.3	97.5	98.3	98.5	98.8	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 300		92.9	94.6	95.5	97.3	97.5	98.3	98.5	98.8	99.1	99.8	99.8	99.9	99.9	99.9	99.9
≥ 200		92.9	94.6	95.5	97.3	97.5	98.3	98.5	98.8	99.1	99.8	99.8	99.9	99.9	100.0	100.0
≥ 100		92.9	94.6	95.5	97.3	97.5	98.3	98.5	98.8	99.1	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0		92.9	94.6	95.5	97.3	97.5	98.3	98.5	98.8	99.1	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

LAJES AL AZ

71-80

4A

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥4	≥0
NO CEILING ≥ 20000		22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 18000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.0	35.0	35.0
IV 16000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.0	35.0	35.0
IV 14000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.0	35.0	35.0
IV 12000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.0	35.0	35.0
IV 10000		36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.5	36.5	36.5
IV 9000		36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8	36.8	36.8
IV 8000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.1	42.1	42.1
IV 7000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.1	42.1	42.1
IV 6000		41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.1	42.1	42.1
IV 5000		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4	42.4	42.4
IV 4500		42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8	42.8	42.8
IV 4000		54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2
IV 3500		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.9	80.9	80.9
IV 3000		84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.0	85.0	85.0
IV 2500		85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.3	85.3	85.3
IV 2000		86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7	86.7	86.7
IV 1800		86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4	86.4
IV 1500		90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3
IV 1200		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.1	92.1
IV 1000		92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0
IV 900		92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.5
IV 800		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 700		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 600		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 500		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 400		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 300		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 200		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 100		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 0		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2

TOTAL NUMBER OF OBSERVATIONS

NATIONAL CLIMATOLOGY BRANCH
WASH DC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11211
STATION

LAJES AB AZ
STATION NAME

71-80
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/8	≥0	≥0
NO CEILING		24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.2	25.2
≥ 20000		35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.6	35.6	35.6
≥ 18000		35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.6	35.6	35.6
≥ 16000		35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.6	35.6	35.6
≥ 14000		35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.6	35.6	35.6
≥ 12000		35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.7	35.7	35.7
≥ 10000		36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.7	36.7	36.7
≥ 9000		37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.2	37.2	37.2
≥ 8000		42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.6	42.6	42.6
≥ 7000		42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8	42.8	42.8
≥ 6000		42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8	42.8	42.8
≥ 5000		42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	43.0	43.0	43.0
≥ 4500		43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.5	43.5	43.5
≥ 4000		53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.4
≥ 3500		77.8	78.4	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.1	79.1	79.1
≥ 3000		83.8	84.6	84.8	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9
≥ 2500		84.4	85.3	85.5	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.7	86.7	86.7
≥ 2000		84.9	85.9	86.3	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8
≥ 1800		84.9	85.9	86.3	87.2	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	88.1	88.1	88.1
≥ 1500		89.0	90.3	90.9	92.0	92.2	92.6	92.7	92.7	92.8	92.8	92.8	92.8	93.0	93.0	93.0
≥ 1200		90.6	92.3	92.8	94.2	94.3	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6
≥ 1000		91.6	93.3	93.9	95.6	95.7	96.6	96.8	96.8	96.9	96.9	96.9	96.9	97.1	97.1	97.1
≥ 900		91.9	93.7	94.3	96.0	96.1	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.5	97.5	97.5
≥ 800		92.3	94.0	94.6	96.5	96.6	97.4	97.6	97.6	97.7	97.7	97.7	97.7	98.0	98.0	98.0
≥ 700		92.3	94.0	94.6	96.6	96.7	97.5	97.7	97.7	97.8	97.8	97.8	97.8	98.1	98.1	98.1
≥ 600		92.3	94.1	94.7	97.0	97.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.8	98.8	98.8
≥ 500		92.3	94.1	94.7	97.2	97.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	99.1	99.1	99.1
≥ 400		92.3	94.1	94.7	97.2	97.6	98.7	98.9	99.3	99.1	99.1	99.1	99.1	99.4	99.4	99.4
≥ 300		92.3	94.1	94.7	97.2	97.6	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.8
≥ 200		92.3	94.1	94.7	97.2	97.6	98.8	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100		92.3	94.1	94.7	97.2	97.6	98.8	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0		92.3	94.1	94.7	97.2	97.6	98.8	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

NATIONAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 211
 STATION

LAJES AB AZ

71-80

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

110-230
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING ≥ 20000		34.1	34.3	34.6	34.9	34.7	34.9	34.9	34.7	34.9	35.0	35.0	35.7	35.0	35.7	35.0
≥ 18000		39.0	39.7	39.7	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
≥ 16000		39.0	39.7	39.7	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
≥ 14000		39.0	39.7	39.7	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
≥ 12000		39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5
≥ 10000		40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5
≥ 9000		40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6
≥ 8000		43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2
≥ 7000		43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4
≥ 6000		43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4
≥ 5000		43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4
≥ 4500		43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5
≥ 4000		53.3	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2
≥ 3500		73.0	73.4	73.8	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000		85.9	85.9	86.2	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500		86.1	86.5	86.9	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000		87.1	87.4	88.3	89.6	89.6	89.6	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1800		87.6	88.6	89.0	90.5	90.5	90.5	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500		91.1	91.8	92.5	94.5	94.5	94.5	94.5	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9
≥ 1200		92.7	93.4	94.2	96.4	96.4	96.4	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9
≥ 1000		93.3	93.8	94.5	97.0	97.0	97.0	97.0	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4
≥ 900		93.1	93.9	94.6	97.1	97.1	97.1	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6
≥ 800		93.5	94.3	95.0	97.6	97.6	97.6	97.6	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2
≥ 700		93.6	94.4	95.2	97.7	97.7	97.7	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3
≥ 600		93.8	94.5	95.3	98.2	98.4	98.4	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 500		94.0	94.7	95.5	98.7	98.9	98.9	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 400		94.0	94.7	95.5	98.8	99.0	99.0	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9
≥ 300		94.0	94.7	95.5	98.8	99.0	99.0	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9
≥ 200		94.0	94.7	95.5	98.8	99.0	99.0	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100		94.0	94.7	95.5	98.8	99.0	99.0	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0		94.0	94.7	95.5	98.8	99.0	99.0	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 201

LAJES AP A7

71-80

STATION

STATION NAME

YEARS

DATE

MONTH

DAY

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000		25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.1
≥ 18000		34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2
≥ 16000		34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3
≥ 14000		34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3
≥ 12000		34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 10000		35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.6	35.6
≥ 9000		35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 8000		39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2
≥ 7000		39.1	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 6000		39.2	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 5000		39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 4500		39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0
≥ 4000		52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1
≥ 3500		79.1	79.6	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4
≥ 3000		85.6	86.1	86.4	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3
≥ 2500		86.3	86.9	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1
≥ 2000		87.3	88.0	88.4	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
≥ 1800		87.6	88.3	88.7	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
≥ 1500		91.1	92.2	92.9	94.1	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6
≥ 1200		92.4	93.7	94.5	95.9	96.0	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.6	96.6
≥ 1000		92.9	94.2	95.0	96.6	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 900		93.0	94.3	95.1	96.8	96.9	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 800		93.2	94.5	95.4	97.2	97.3	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 700		93.3	94.6	95.5	97.3	97.4	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 600		93.4	94.7	95.6	97.6	97.6	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 500		93.4	94.8	95.6	97.9	98.1	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3
≥ 400		93.5	94.8	95.6	98.0	98.2	98.7	99.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 300		93.5	94.8	95.6	98.0	98.2	98.8	99.1	99.1	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 200		93.5	94.8	95.6	98.0	98.2	98.8	99.2	99.3	99.6	99.6	99.7	99.7	99.8	99.8	99.8
≥ 100		93.5	94.8	95.6	98.0	98.2	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 0		93.5	94.8	95.6	98.0	98.2	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

743

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11271

LAJES AB A7

71-80

SPF

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 2000		24.4	24.8	24.8	24.9	24.8	24.8	24.9	24.9	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 1800		25.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 1600		26.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 1400		28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 1200		29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 1000		29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 800		30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 700		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 600		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 500		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 450		31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 400		45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 350		74.2	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 300		83.1	83.7	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 250		83.7	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 200		84.7	85.4	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 180		84.9	85.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 150		90.6	90.4	91.0	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 120		94.2	94.2	94.5	95.5	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100		93.4	95.2	95.6	97.0	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 90		94.1	95.9	96.3	97.7	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 80		94.6	96.4	96.9	98.2	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 70		94.6	96.4	96.9	98.3	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 60		94.6	96.4	96.9	98.3	98.4	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 50		94.9	96.7	97.1	98.5	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 40		94.9	96.7	97.1	98.7	98.8	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 30		94.9	96.7	97.1	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 20		94.9	96.7	97.1	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 10		94.9	96.7	97.1	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		94.9	96.7	97.1	98.7	98.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 804

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES A3 A2
STATION NAME

71-80
YEARS

4P
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
≥ 20000		25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 18000		25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 16000		25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 14000		25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 12000		25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 10000		26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 9000		26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 8000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 7000		26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 6000		26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 5000		26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 4500		27.1	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 4000		40.7	40.8	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 3500		72.9	73.4	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000		82.8	83.7	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500		83.2	84.1	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000		84.2	85.1	85.1	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1800		84.7	85.6	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500		89.4	90.4	90.8	91.2	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200		93.2	94.1	94.8	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000		93.2	95.3	96.0	98.1	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		93.3	95.4	96.1	98.2	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800		93.8	95.9	96.6	98.7	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		93.8	95.9	96.6	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		93.8	95.9	96.6	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		93.8	95.9	96.7	98.8	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		93.8	95.9	96.7	98.8	99.0	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		93.8	95.9	96.7	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		93.8	95.9	96.7	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		93.8	95.9	96.7	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		93.8	95.9	96.7	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1 2 1

LAJES AB AZ

71-80

AF

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1 10-1980
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		16.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
≥ 18000		22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 16000		22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 14000		22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 12000		22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 10000		22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 9500		23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 8000		28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 7000		28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 6000		28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 5000		28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 4500		28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 4000		42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 3500		74.7	75.2	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000		84.2	85.0	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500		84.7	85.4	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000		85.6	86.3	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800		85.8	86.6	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1500		90.1	91.2	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200		93.0	94.7	95.2	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000		94.1	95.3	96.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		94.2	96.1	96.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800		94.2	96.1	96.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		94.3	96.3	97.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		94.3	96.4	97.2	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		94.3	96.4	97.2	98.7	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		94.3	96.4	97.2	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		94.3	96.4	97.2	98.9	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		94.3	96.4	97.2	98.9	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		94.3	96.4	97.2	98.9	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		94.3	96.4	97.2	98.9	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

CEILING VERSUS VISIBILITY

1721

LAUREL AFB

71-87

25

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

25-11
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING		10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
≥ 20000		25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 18000		25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 16000		25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 14000		25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
≥ 12000		25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 10000		26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 9000		26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 8000		30.4	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 7000		30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 6000		30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 5000		30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 4500		31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 4000		48.1	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 3500		79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000		86.2	86.2	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500		86.6	86.6	87.2	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2000		87.6	87.6	88.0	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800		88.1	88.1	88.6	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500		91.7	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200		93.6	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000		94.1	94.1	95.1	95.9	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		94.1	94.1	95.2	96.0	96.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800		94.1	94.1	95.4	96.2	96.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700		94.2	94.2	95.6	96.3	96.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600		94.3	94.3	95.7	96.4	96.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500		94.6	94.6	96.1	96.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400		94.7	94.7	96.2	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300		94.7	94.7	96.2	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200		94.7	94.7	96.2	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100		94.7	94.7	96.2	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0		94.7	94.7	96.2	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS

AD-A113 227

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
LAJES AB, AZORES. REVISED UNIFORM SUMMARY OF SURFACE WEATHER OB--ETC(U)
NOV 81

UNCLASSIFIED USAFETAC/DS-81/103

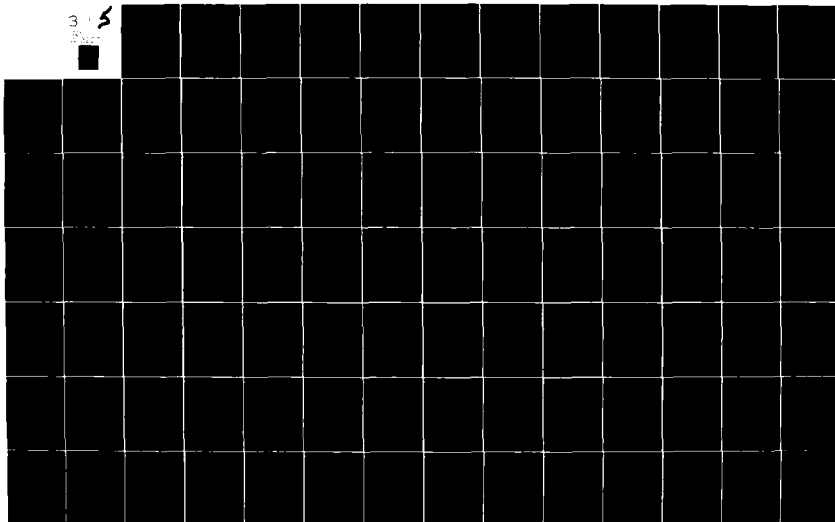
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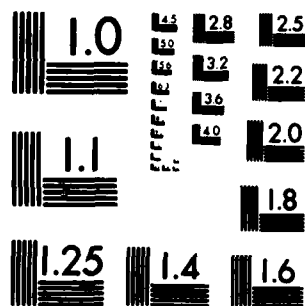


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13227



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

3
JUL 64
3

CEILING CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1701
STATION

LAJES AB AZ

STATION NAME

71-80

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1972-1980
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO RECORDS ≥ 2000		20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
≥ 1800 ≥ 1500		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 1400 ≥ 1200		27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 1000 ≥ 900		27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 800 ≥ 700		28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 600 ≥ 500		29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 450 ≥ 400		29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 350 ≥ 300		33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 250 ≥ 200		33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 180 ≥ 150		34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 120 ≥ 100		35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 90 ≥ 80		54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 70 ≥ 60		80.8	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 50 ≥ 40		86.1	86.6	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 30 ≥ 20		86.6	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800 ≥ 1500		87.6	88.0	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1200 ≥ 1000		87.8	88.2	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900 ≥ 800		91.6	92.4	93.4	94.8	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700 ≥ 600		93.3	94.3	95.4	96.9	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500 ≥ 400		93.7	94.8	96.0	97.6	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300 ≥ 200		93.8	95.0	96.2	98.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100 ≥ 0		93.8	95.0	96.2	98.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700 ≥ 600		93.9	95.2	96.4	98.3	98.3	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500 ≥ 400		94.1	95.3	96.6	98.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300 ≥ 200		94.1	95.4	96.7	98.6	98.6	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100 ≥ 0		94.1	95.4	96.7	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700 ≥ 600		94.1	95.4	96.7	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500 ≥ 400		94.1	95.4	96.7	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300 ≥ 200		94.1	95.4	96.7	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100 ≥ 0		94.1	95.4	96.7	98.6	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1

LAJES AB AZ

71-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1700
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING ≥ 20000		19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
≥ 18000		28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 16000		28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 14000		28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 12000		28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 10000		30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 9000		30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 8000		33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 7000		33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 6000		33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 5000		34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 4500		35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 4000		53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 3500		81.6	82.9	83.0	83.3	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000		86.1	87.5	87.8	88.1	88.2	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2500		86.2	87.8	88.0	88.3	88.4	88.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000		86.9	88.4	88.7	89.2	89.3	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800		86.9	88.4	88.7	89.2	89.3	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500		90.7	92.4	92.9	93.8	93.9	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200		92.5	94.4	94.9	95.9	96.0	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		93.4	95.7	96.1	97.2	97.4	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900		93.9	96.1	96.4	97.6	97.8	98.1	98.4	98.4	98.6	98.6	98.7	98.8	98.8	98.8	98.8
≥ 800		93.9	96.1	96.6	97.7	98.0	98.4	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.2	99.2
≥ 700		94.0	96.2	96.8	98.0	98.3	98.8	99.1	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6
≥ 600		94.0	96.2	96.8	98.0	98.3	98.8	99.1	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6
≥ 500		94.0	96.2	96.8	98.0	98.3	98.8	99.1	99.2	99.3	99.3	99.4	99.6	99.6	99.6	99.6
≥ 400		94.0	96.3	96.9	98.1	98.4	98.9	99.2	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7
≥ 300		94.1	96.4	97.1	98.3	98.7	99.1	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 200		94.1	96.4	97.1	98.3	98.7	99.1	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 100		94.1	96.4	97.1	98.3	98.7	99.1	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 0		94.1	96.4	97.1	98.3	98.7	99.1	99.4	99.6	99.7	99.7	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 800

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1 201

STATION NAME
LAJES AP AZ

YEARS
71-80

MONTH
APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 18000		30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 16000		30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 14000		30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 12000		31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 10000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9500		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 8000		35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 7000		35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 6000		35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 5000		35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 4500		36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 4000		51.9	52.2	52.2	52.4	52.4	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3500		79.4	80.6	81.0	81.3	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000		84.6	85.9	86.3	86.7	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500		85.2	86.6	87.0	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000		85.9	87.3	87.6	88.1	88.1	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800		90.4	87.9	88.3	88.7	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500		90.4	92.1	93.0	93.7	93.8	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200		92.8	95.0	96.0	96.9	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000		93.9	96.1	97.2	98.1	98.2	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900		94.2	96.4	97.6	98.6	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		94.6	96.8	97.9	98.9	99.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		94.7	96.9	98.0	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		94.7	96.9	98.0	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		94.7	96.9	98.0	99.0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		94.7	96.9	98.0	99.0	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.7	96.9	98.0	99.0	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.7	96.9	98.0	99.0	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.7	96.9	98.0	99.0	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.7	96.9	98.0	99.0	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 201

LAJES AB AZ

71-80

APP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥4	≥0
NO CEILING		25.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 20000		32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 18000		32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 16000		32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 14000		32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 12000		32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 10000		32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 9000		32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 8000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 7000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 6000		34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 5000		35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 4500		35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 4000		49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 3500		77.5	78.0	78.8	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		84.5	85.0	86.0	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2500		84.5	85.0	86.0	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000		86.2	86.7	87.7	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1800		86.2	86.8	87.8	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500		90.5	91.5	92.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200		92.7	93.9	95.1	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000		93.7	95.2	96.6	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900		93.8	95.3	96.7	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		94.2	95.9	97.2	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700		94.4	96.1	97.4	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		94.4	96.1	97.4	99.2	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		94.5	96.2	97.6	99.3	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		94.5	96.2	97.6	99.3	99.4	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		94.5	96.2	97.6	99.3	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.5	96.2	97.6	99.3	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.5	96.2	97.6	99.3	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.5	96.2	97.6	99.3	99.4	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
 STATION

LAJES AB A2

STATION NAME

71-80

YEARS

AP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING ≥ 20000		71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 18000 ≥ 6700		27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
≥ 14000 ≥ 2000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 12000 ≥ 9000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 8000 ≥ 7000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 6000 ≥ 5000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 4500 ≥ 4000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 3500 ≥ 3000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 2500 ≥ 2000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 1800 ≥ 1500		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 1200 ≥ 1000		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 900 ≥ 800		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 700 ≥ 600		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 500 ≥ 400		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 300 ≥ 200		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 100 ≥ 0		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6

TOTAL NUMBER OF OBSERVATIONS 7194

CEILING VERSUS VISIBILITY

1 2 1

LAJES A2 A3

71-82

4 A V

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1050-2201

HOURS (L.A.T.)

FEET (FEET)	VISIBILITY STATUTE MILES															
	N/0	26	25	24	23	22%	22	21%	21%	21	24	24	24	25/16	24	20
NO FEELING N 20000		37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
N 18000		41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
N 16000		41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
N 14000		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
N 12000		41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
N 10000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
N 9000		42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
N 8000		46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
N 7000		46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
N 6000		46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
N 5000		46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
N 4500		46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
N 4000		57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
N 3500		82.3	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
N 3000		89.2	89.6	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
N 2500		90.9	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
N 2000		91.6	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
N 1800		91.6	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
N 1500		93.8	94.3	94.8	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
N 1200		95.5	95.6	96.2	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
N 1000		95.5	96.3	96.6	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
N 900		95.5	96.0	96.6	97.0	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
N 800		95.7	96.3	97.0	97.3	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
N 700		96.0	96.4	97.3	97.6	97.7	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7
N 600		96.2	96.9	97.5	97.8	97.9	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1
N 500		96.3	97.0	97.6	98.1	98.2	98.9	99.0	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4
N 400		96.3	97.0	97.6	98.1	98.2	98.9	99.0	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.5
N 300		96.3	97.0	97.6	98.1	98.3	99.2	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8
N 200		96.3	97.0	97.6	98.1	98.3	99.2	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9
N 100		96.3	97.0	97.6	98.1	98.3	99.2	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
N 0		96.3	97.0	97.6	98.1	98.3	99.2	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 525

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17201

LAJES AB AZ

71-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

700-0500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		36.1	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 20000		40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000		40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000		40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 14000		40.4	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000		40.4	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 10000		41.5	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 9000		41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 8000		44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 7000		44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 6000		44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 5000		44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 4500		44.9	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 4000		57.3	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 3500		83.5	83.6	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000		90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2500		90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 2000		91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800		91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500		94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000		94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900		94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800		95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700		95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600		95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500		95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400		95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 300		95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 200		95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 100		95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 0		95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8

TOTAL NUMBER OF OBSERVATIONS 976

FEDERAL CLIMATOLOGY BRANCH
 COMETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17211

LAJES AF AB

71-80

NAV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1953-1980
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000		34.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 18000		34.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000		34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000		34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000		35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 10000		35.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 9000		36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 8000		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 6000		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 5000		40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 4500		40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 4000		55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500		82.9	82.9	83.0	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3000		88.6	88.7	88.8	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500		89.0	89.1	89.2	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000		89.9	90.1	90.2	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800		91.2	91.4	91.5	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1500		93.5	94.1	94.2	95.7	95.8	95.9	95.9	95.9	95.9	96.3	96.5	96.5	96.5	96.5	96.5
≥ 1200		94.6	95.1	95.6	97.3	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		95.2	95.6	96.1	98.2	98.3	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		95.3	95.7	96.2	98.3	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		95.4	95.8	96.3	98.5	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		95.6	95.8	96.5	98.6	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600		95.4	95.9	96.5	98.6	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		95.6	96.0	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		95.6	96.0	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 300		95.6	96.3	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 200		95.6	96.7	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 100		95.6	96.7	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 0		95.6	96.7	96.7	98.8	98.9	99.2	99.4	99.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
LAJES AC AC

STATION NAME

71-80

YEARS

DAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD
1980-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000		27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 18000 ≥ 16000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 14000 ≥ 12000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 10000 ≥ 9500		37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 8000 ≥ 7000		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 6000 ≥ 5000		43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 4500 ≥ 4000		44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 3500 ≥ 3000		60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 2500 ≥ 2000		85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800 ≥ 1500		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1200 ≥ 1000		92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 900 ≥ 800		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700 ≥ 600		95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 500 ≥ 400		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300 ≥ 200		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 100 ≥ 0		97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 97

CLIMATE CLIMATOLOGY BRANCH
 AFMPC
 AF WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1 2 1

LAJES AD AC

71-87

42V

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING		27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
≥ 20000		37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 18000		37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 16000		37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000		37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 12000		38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 10000		39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000		40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 8000		44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 7000		44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 6000		44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 5000		44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 4500		45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4000		61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500		86.8	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
≥ 3000		92.0	92.0	92.0	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5
≥ 2500		92.4	92.4	92.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9
≥ 2000		92.5	92.7	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1
≥ 1800		92.7	92.9	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
≥ 1500		96.0	96.3	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 1200		97.6	98.0	98.1	98.3	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 1000		97.6	98.0	98.1	98.4	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0
≥ 900		97.6	98.0	98.1	98.4	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0
≥ 800		97.6	98.0	98.1	98.5	98.8	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6
≥ 700		97.6	98.0	98.1	98.7	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 600		97.7	98.1	98.2	98.8	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 500		97.7	98.1	98.2	98.8	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400		97.7	98.1	98.2	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300		97.7	98.1	98.2	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200		97.7	98.1	98.2	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		97.7	98.1	98.2	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0		97.7	98.1	98.2	98.9	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

CEILING VERSUS VISIBILITY

STATION

LAJFS AS A4

71-AC

47.

STATION

STATION NAME

ME 000

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10-1700
HOURS (L.S.T.)

TEMPERATURE (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 1/64
NO. TEMP. ≥ 2000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 1800		41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 1600		41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 1400		41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 1200		42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1000		43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 900		44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 800		46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 700		48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 600		48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 500		48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 450		49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 400		66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 350		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 300		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 250		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 200		94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 180		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 150		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 120		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 90		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 80		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 70		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 60		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 50		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 40		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 30		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 20		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 10		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 17

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1 LADES A A2

71-87

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11 3-200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		70.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 27000		41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 18000		41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 15000		41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 14000		41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 12000		42.0	42.0	42.0	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000		44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000		45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 8000		52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000		52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 6000		52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 5000		52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 4500		52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 4000		55.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 3500		67.7	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000		93.1	93.5	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500		93.2	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000		93.5	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800		93.7	94.1	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500		95.3	95.7	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200		96.2	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000		96.5	96.9	97.4	97.8	97.8	98.7	98.0	98.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900		96.6	97.0	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800		97.1	97.5	98.1	98.5	98.5	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700		97.3	97.8	98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600		97.4	98.0	98.5	99.0	99.0	99.4	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		97.5	98.2	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		97.5	98.2	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		97.5	98.3	98.7	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.5	98.3	98.7	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.5	98.2	98.7	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.5	98.2	98.7	99.2	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 971

CENTRAL CLIMATOLOGY BRANCH
 COMETAC
 WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

1 2 1
 STATION

LAJFS AR AZ

STATION NAME

71-80

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 2-230
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING ≥ 2000		36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 1800 ≥ 1500		44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 1400 ≥ 1200		44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 1000 ≥ 900		45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 800 ≥ 700		49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 600 ≥ 500		49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 450 ≥ 400		59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 350 ≥ 300		83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 250 ≥ 200		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 180 ≥ 150		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 120 ≥ 100		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 90 ≥ 80		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 70 ≥ 60		98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 50 ≥ 40		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 30 ≥ 20		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 10 ≥ 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 72

FEDERAL CLIMATOLOGY BRANCH
WAFB ETAC
ATMOSPHERIC SERVICE/ETAC

CEILING VERSUS VISIBILITY

1721

LAJES AIR AC

71-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO CEILING ≥ 2000		71.4	31.4	21.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1800		39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 1600		39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 1400		39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 1200		41.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 1000		41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 900		41.4	41.4	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 800		46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 700		46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 600		46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 500		46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 450		46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 400		60.3	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 350		85.2	85.3	85.5	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 300		91.7	91.0	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 250		91.2	91.4	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 200		91.7	91.9	92.1	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 180		91.9	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 150		94.8	95.1	95.4	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 120		95.9	96.3	96.7	97.4	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100		96.2	96.7	97.1	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 90		96.3	96.8	97.2	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 80		96.5	96.9	97.4	98.3	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 70		96.8	97.1	97.6	98.5	98.6	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 60		96.7	97.2	97.7	98.6	98.7	99.2	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 50		96.8	97.3	97.8	98.8	98.9	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7
≥ 40		96.8	97.4	97.8	98.8	98.9	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
≥ 30		96.8	97.4	97.8	98.8	98.9	99.5	99.6	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 20		96.8	97.4	97.8	98.8	98.9	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 10		96.8	97.4	97.8	98.8	98.9	99.5	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		96.8	97.4	97.8	98.8	99.0	99.5	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB AT

STATION NAME

71-80

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1905-01-01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO RECORD		36.7	36.7	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 2000		39.6	39.6	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 1800		39.6	39.6	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 1600		39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 1400		39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 1200		39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 1000		39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 800		40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 600		40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 500		40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 450		41.6	41.6	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 400		52.2	52.2	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 350		71.9	71.9	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 300		83.7	83.7	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 250		85.3	85.3	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 200		86.2	86.2	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 180		86.8	86.8	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 150		91.5	91.5	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 120		94.2	94.2	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100		96.2	96.2	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 90		96.8	96.8	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 80		97.3	97.3	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 70		98.4	98.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 60		99.2	99.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 50		99.7	99.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 40		99.8	99.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 30		99.9	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20		99.9	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 10		99.9	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		99.9	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 627

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
LAJES A3 AZ

STATION NAME

YEARS
71-80

MONTH
JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
430-260

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		22.3	27.3	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.5	22.5
≥ 20000		27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.7	27.7	27.7
≥ 18000		27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.7	27.7	27.7
≥ 16000		27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.7	27.7	27.7
≥ 14000		27.5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.7	27.7	27.7
≥ 12000		28.8	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1
≥ 10000		30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.3	30.3
≥ 9000		30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4
≥ 8000		33.4	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.6	33.6	33.6
≥ 7000		33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.0
≥ 6000		33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.0
≥ 5000		33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0	34.0
≥ 4500		34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.6
≥ 4000		45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0
≥ 3500		69.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8
≥ 3000		79.1	79.1	79.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1
≥ 2500		80.0	80.2	80.5	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
≥ 2000		81.0	81.2	81.6	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3
≥ 1800		81.1	81.4	81.8	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5
≥ 1500		85.9	86.5	87.3	88.1	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.9	88.9	88.9
≥ 1200		89.0	89.8	90.5	91.8	91.9	92.4	92.7	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0
≥ 1000		90.1	90.9	91.8	93.1	93.4	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.9	95.1	95.1
≥ 900		90.3	91.1	92.0	93.5	94.0	94.9	95.3	95.4	95.5	95.5	95.5	95.5	95.7	95.9	95.9
≥ 800		90.6	91.5	92.4	94.1	94.5	95.4	96.1	96.2	96.3	96.3	96.3	96.3	96.4	96.7	96.7
≥ 700		90.6	91.5	92.4	94.1	94.5	95.4	96.1	96.2	96.5	96.5	96.5	96.5	96.7	96.9	96.9
≥ 600		90.9	91.6	92.7	94.3	94.8	95.8	96.4	96.5	96.9	96.9	96.9	96.9	97.0	97.3	97.3
≥ 500		91.5	92.4	93.3	95.2	95.8	96.8	97.6	97.7	98.1	98.2	98.3	98.3	98.7	98.7	98.7
≥ 400		91.5	92.4	93.4	95.3	95.9	96.9	97.8	97.9	98.3	98.4	98.7	98.7	99.0	99.0	99.0
≥ 300		91.5	92.4	93.4	95.3	95.9	96.9	98.0	98.1	98.6	98.8	98.8	98.8	99.0	99.3	99.3
≥ 200		91.5	92.4	93.4	95.3	95.9	96.9	98.0	98.1	98.7	98.9	99.1	99.1	99.6	99.6	99.6
≥ 100		91.5	92.4	93.4	95.3	95.9	96.9	98.0	98.2	98.8	99.0	99.2	99.2	99.9	99.9	99.9
≥ 0		91.5	92.4	93.4	95.3	95.9	96.9	98.0	98.2	98.8	99.0	99.2	99.2	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 808

CLIMATOLGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1

LAJES AB AL

71-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING ≥ 2000		24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 1800 ≥ 1500		31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 1400 ≥ 1200		31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 1000 ≥ 900		33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 800 ≥ 700		37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 600 ≥ 500		37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 450 ≥ 400		38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 350 ≥ 300		75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 250 ≥ 200		84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 180 ≥ 150		85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 120 ≥ 100		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 90 ≥ 80		92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 70 ≥ 60		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 50 ≥ 40		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 30 ≥ 20		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10 ≥ 0		94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 900

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/LMAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AFB

STATION NAME

71-80

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NOTED		25.4	26.3	26.8	27.8	26.8	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 20000		73.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 18000		73.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 16000		73.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 14000		33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 12000		34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 10000		37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 9000		37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 8000		40.4	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 7000		40.4	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 6000		40.4	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 5000		40.7	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 4500		42.4	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4000		57.6	57.6	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 3500		76.5	77.0	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000		84.1	84.5	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500		84.9	85.7	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000		85.9	86.7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800		86.4	87.2	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500		89.9	90.7	91.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200		90.7	93.4	94.3	95.6	95.7	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		93.4	94.3	95.2	96.6	96.7	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		93.5	94.4	95.3	96.7	96.8	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800		93.8	94.7	95.6	96.9	97.0	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700		93.8	94.7	95.6	96.9	97.0	97.4	97.7	97.7	97.7	97.9	97.9	97.9	97.9	98.0	98.0
≥ 600		93.8	94.8	95.7	97.1	97.2	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.3	98.3
≥ 500		93.8	94.8	95.7	97.1	97.2	97.9	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.6	98.6
≥ 400		93.8	94.8	95.7	97.1	97.2	98.0	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.3	99.3
≥ 300		93.8	94.8	95.7	97.1	97.2	98.0	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.3	99.3
≥ 200		93.8	94.8	95.7	97.1	97.2	98.0	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.3	99.3
≥ 100		93.8	94.8	95.7	97.1	97.2	98.0	98.7	98.8	99.0	99.0	99.0	99.1	99.2	99.3	99.3
≥ 0		93.8	94.8	95.7	97.4	97.6	98.3	99.0	99.1	99.3	99.3	99.3	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 809

LOCAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

LAJES AIR A2

71-80

1954

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1954-1954
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000		39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 18000		39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 16000		39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000		39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 12000		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 10000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000		43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 7000		43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 6000		43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 5000		43.6	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500		45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 4000		54.2	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500		80.0	80.3	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3000		84.8	85.1	85.3	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500		85.2	85.8	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000		86.4	87.2	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800		87.0	87.8	88.0	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1500		90.4	91.7	92.0	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200		92.4	93.8	94.2	95.1	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000		93.4	94.9	95.4	96.4	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900		93.8	95.2	95.8	96.8	96.9	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800		94.4	95.9	96.4	97.4	97.6	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700		94.4	95.9	96.4	97.4	97.6	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600		94.4	95.9	96.4	97.4	97.6	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		94.4	95.9	96.4	97.6	97.7	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		94.4	95.9	96.4	97.6	97.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		94.4	95.9	96.4	97.6	97.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		94.4	95.9	96.4	97.6	97.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		94.4	95.9	96.4	97.6	97.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		94.4	95.9	96.4	97.6	97.7	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

3
 FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
 STATION

LAJES AP AZ
 STATION NAME

71-80
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000		32.4	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 18000		40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000		40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000		40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 12000		40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000		42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 9000		42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 8000		45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 7000		45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 6000		45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 5000		45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4500		47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 4000		53.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3500		73.6	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		84.8	85.3	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500		85.5	86.1	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000		86.5	87.2	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1800		86.5	87.2	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1500		90.1	90.9	91.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200		92.0	92.9	93.5	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000		92.9	93.8	94.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900		93.4	94.4	95.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		93.9	94.9	95.7	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		94.7	95.0	95.8	98.0	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		94.3	95.3	96.2	98.4	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		94.3	95.3	96.2	98.6	98.8	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		94.3	95.3	96.2	98.6	98.8	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		94.4	95.4	96.3	98.7	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200		94.4	95.4	96.3	98.7	98.9	99.2	99.6	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 100		94.4	95.4	96.3	98.7	98.9	99.2	99.6	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 0		94.4	95.4	96.3	98.7	98.9	99.2	99.6	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 809

CLIPAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES A- A2

71-05

JUL

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 0-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000		44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 18000		44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 16000		44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 14000		44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 12000		44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000		45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 9000		45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 8000		46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 7000		46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 6000		46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 5000		46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 4500		46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 4000		57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 3500		74.1	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000		82.5	82.8	82.9	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2500		83.5	83.8	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2000		84.5	84.8	84.9	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 800		84.6	85.1	85.2	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1500		89.0	89.9	90.1	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200		91.6	92.6	93.1	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000		92.6	93.9	94.3	96.4	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900		93.0	94.2	94.8	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800		93.2	94.4	95.0	97.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700		93.4	94.8	95.3	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		94.0	95.3	96.0	98.4	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		94.1	95.4	96.1	98.7	98.7	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		94.1	95.4	96.1	98.8	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.1	95.4	96.1	98.8	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.1	95.4	96.1	98.8	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.1	95.4	96.1	98.8	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.1	95.4	96.1	98.8	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AM AZ

STATION NAME

71-80

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING		30.7	30.4	30.8	30.9	30.9	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 20000		36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 18000		36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 16000		36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 14000		36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 12000		37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 10000		38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 9500		38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 8000		40.4	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 7000		40.5	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 6000		40.6	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 5000		40.6	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 4500		41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 4000		54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 3500		74.4	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000		82.8	83.2	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500		83.7	84.2	84.4	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 2000		84.7	85.2	85.5	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800		84.9	85.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500		88.7	89.6	90.1	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1200		91.0	91.9	92.6	94.1	94.2	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000		92.1	93.2	93.9	95.6	95.8	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900		92.4	93.5	94.2	96.1	96.3	96.7	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
≥ 800		92.8	93.9	94.6	96.6	96.8	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700		93.1	94.1	94.9	96.9	97.1	97.6	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600		93.2	94.4	95.1	97.2	97.4	98.0	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500		93.3	94.5	95.3	97.5	97.7	98.4	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		93.3	94.6	95.3	97.5	97.8	98.5	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 300		93.4	94.6	95.3	97.5	97.8	98.6	99.1	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6
≥ 200		93.4	94.6	95.3	97.5	97.8	98.6	99.1	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7
≥ 100		93.4	94.6	95.3	97.5	97.8	98.6	99.1	99.2	99.5	99.6	99.7	99.8	99.8	99.8	99.8
≥ 0		93.4	94.6	95.3	97.6	97.9	98.7	99.2	99.3	99.6	99.7	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7189

METEOROLOGICAL CLIMATOLOGY BRANCH
 PACETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1 2 1

LAJES AB A2

71-60

301

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH
 000-0000
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING		41.3	49.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000		50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000		50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 16000		50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 14000		50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 12000		50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000		50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 9000		51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000		51.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 7000		51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000		51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000		52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 4500		52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 4000		64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500		86.3	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000		93.0	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2500		93.3	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000		93.8	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800		94.0	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500		96.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		97.0	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000		97.4	98.6	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		97.4	98.7	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.4	98.7	98.9	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 920

3
1
FEDERAL CLIMATOLOGY BRANCH
AFETAC
41 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AF A2

STATION NAME

71-80

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-050
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO RECORD		46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥2000		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥1800		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥1600		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥1400		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥1200		47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥1000		48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥900		48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥800		49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥700		50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥600		50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥500		50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥450		50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥400		64.6	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥350		85.6	85.7	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥300		92.0	92.1	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥250		92.5	92.9	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥200		92.6	93.0	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥180		93.0	93.5	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥150		95.4	96.0	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥120		95.9	96.7	97.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥100		96.0	96.8	97.6	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥90		96.0	97.0	97.8	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥80		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥70		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥60		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥50		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥40		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥30		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥20		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥10		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0		96.1	97.1	98.0	99.0	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 125

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WHEATFIELD
 AIR WEATHER SERVICE/ANAC

CEILING VERSUS VISIBILITY

STATION
 1 2 3

STATION NAME
 LANES AFB

YEARS
 71-80

MONTH
 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)
 100-100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 0.1	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0
NO RECORD		36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 25000		36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 18000		36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 15000		36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 14000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 12000		36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 10000		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 8000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 7000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 6000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 5000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 4500		43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 4000		61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3500		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3000		93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 2500		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 72

3
FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/AMAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB A7

STATION NAME

71-80

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

97-117
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 1/40
NO CEILING ≥ 20000	42.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 18000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 16000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 14000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 12000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 10000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 8000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 7000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 6000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 5000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 4500	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 3500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 3000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 800	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 400	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 200	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 100	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 322

FEDERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB AZ
STATION NAME

71-50
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

197-147
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	40.4	47.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000 ≥ 5700	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000 ≥ 2000	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 12000 ≥ 9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000 ≥ 7000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 6000 ≥ 5000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 4500 ≥ 4000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3500 ≥ 3000	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500 ≥ 2000	93.0	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1800 ≥ 1500	93.8	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200 ≥ 1000	96.7	97.6	98.2	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900 ≥ 800	96.7	97.7	98.3	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700 ≥ 600	96.8	97.8	98.4	99.1	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500 ≥ 400	96.8	97.8	98.4	99.1	99.2	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	96.8	97.8	98.4	99.1	99.2	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	96.8	97.8	98.4	99.1	99.2	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 904

3
 GENERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17271
 STATION

LAJES AB AZ
 STATION NAME

71-80
 YEARS

JUL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1712-1717
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING		42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000		47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000		47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000		47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 14000		47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000		48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000		50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 9000		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000		53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000		53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000		53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000		53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500		53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 4000		72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500		92.0	92.0	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3000		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500		93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000		94.0	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800		94.0	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1500		96.3	96.3	97.1	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		97.3	97.5	97.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000		97.3	97.8	98.2	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		97.3	97.8	98.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		97.6	98.2	98.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		97.6	98.2	98.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		97.7	98.3	98.6	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 520

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

1721
STATION

LAJFS AB AZ
STATION NAME

71-60
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥0	≥0
NO RECORD ≥2500		43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥1800		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥1500		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥1400		49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥1200		49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥1000		51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥900		51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥800		54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥700		54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥600		54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥500		54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥450		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥400		69.0	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥350		91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥300		93.1	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥250		93.2	93.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥200		93.9	94.4	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥180		94.2	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥150		96.1	96.7	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥120		96.6	97.3	98.1	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥100		96.8	97.6	98.3	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥90		96.9	97.7	98.4	99.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥80		96.9	97.7	98.4	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥70		97.0	97.8	98.5	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥60		97.0	97.8	98.5	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥50		97.0	97.8	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥40		97.0	97.8	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥30		97.0	97.8	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥20		97.0	97.8	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥10		97.0	97.8	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0		97.0	97.8	98.5	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

670

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11211
STATION

LAJES AB AC
STATION NAME

71-80
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1100-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000 ≥ 5700		51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000 ≥ 12000		51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000 ≥ 9000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000 ≥ 7000		54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000 ≥ 5000		54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500 ≥ 4000		55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 3500 ≥ 3000		67.3	67.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 2500 ≥ 2000		92.0	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800 ≥ 1500		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200 ≥ 1000		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900 ≥ 800		97.5	98.5	98.7	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700 ≥ 600		97.5	98.5	98.7	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400		97.5	98.5	98.7	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200		97.5	98.5	98.7	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0		97.5	98.5	98.7	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 422

GENERAL CLIMATOLOGY BRANCH
AFMETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17211

LAJFS AF AC

71-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 2000	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 1800	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1600	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 1400	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 1200	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 1000	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 900	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 800	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 700	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 600	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 500	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 450	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 400	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 350	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 300	92.6	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 250	92.8	93.3	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 200	93.4	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 180	93.6	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 150	95.8	96.4	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 120	96.6	97.4	97.8	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	96.8	97.7	98.1	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 90	96.8	97.7	98.2	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 80	96.9	97.8	98.3	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 70	96.9	97.8	98.3	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 60	96.9	97.8	98.3	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 50	96.9	97.8	98.3	99.2	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 40	96.9	97.8	98.3	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.9	97.8	98.3	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.9	97.8	98.3	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.9	97.8	98.3	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.9	97.8	98.3	99.3	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

747

CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

LAJES AP AZ

71-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-0000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 0.1	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.2	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0
NO. OBS.		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 2000		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1800		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1600		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1400		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1200		60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 1000		61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 900		61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 800		62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 700		62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 600		63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 500		63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 450		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 400		74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 350		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 300		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 250		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 180		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 160		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 140		98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 120		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 80		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 60		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 40		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 20		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 227

CLIMATE CLIMATOLOGY BRANCH
 WETLAND
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 201
 STATION

LAJES AP A2
 STATION NAME

71-80
 YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-150
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 2000		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 1800		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1600		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1400		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1200		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 1000		56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 800		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 600		60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 500		60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 450		61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 400		71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 350		91.4	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300		95.1	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 250		95.7	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200		95.8	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 180		95.8	96.5	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 150		97.3	98.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 120		98.1	99.1	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 90		98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 80		98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 70		98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 60		98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 50		98.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 40		98.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30		98.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20		98.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10		98.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.3	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 437

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB 42

STATION NAME

71-80

YEARS

207

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NOV-80
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000		52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 18000		52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000		52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000		52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 12000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000		53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 9000		53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 8000		56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 7000		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 6000		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 5000		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4500		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4000		71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500		92.6	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3000		96.2	96.3	96.9	96.9	96.9	97.0	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500		96.2	96.3	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2000		96.6	96.7	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800		96.9	97.7	97.5	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1500		97.8	98.7	98.5	98.6	98.6	98.8	99.0	99.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200		98.2	98.4	98.9	99.0	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000		98.4	98.6	99.1	99.2	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		98.5	98.7	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		98.5	98.7	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		98.5	98.7	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		98.5	98.7	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		98.6	98.8	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.6	98.8	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.6	98.8	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.6	98.8	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.6	98.8	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.6	98.8	99.4	99.5	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 420

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
 STATION

LAJES AR AZ

STATION NAME

71-80

YEARS

12

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 20000		50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000		50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000		50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000		50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 12000		51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 10000		53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 9000		53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 7000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000		57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4500		57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 4000		73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500		92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000		94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500		94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000		95.5	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800		95.5	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500		97.7	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.5	98.9	99.0	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 924

CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 211
STATION

LAJES AR AZ
STATION NAME

71-80
YEARS

407
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 7-14 00
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 12000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4000	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 224

NATIONAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

171
 STATION

LAJES AR 27

STATION NAME

71-57

YEARS

10

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

10-177
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING ≥ 20000		40.7	46.4	46.6	47.8	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000 ≥ 6000		52.7	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000 ≥ 2000		52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000 ≥ 9000		53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 8000 ≥ 7000		55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000 ≥ 5000		58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500 ≥ 4000		58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3500 ≥ 3000		59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 2500 ≥ 2000		75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1800 ≥ 1500		94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200 ≥ 1000		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900 ≥ 800		96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700 ≥ 600		96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500 ≥ 400		96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300 ≥ 200		98.6	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100 U		98.6	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
		98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
		98.9	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 27

3
 FEDERAL CLIMATOLOGY BRANCH
 AFM/TAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
 STATION

LAUFUS AB AZ

STATION NAME

71-80

YEARS

10

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1-10-1950
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NOT RECORDED		49.6	47.6	49.6	47.6	49.6	47.6	49.6	47.6	49.6	47.6	49.6	47.6	49.6	47.6	49.6
≥ 20000		58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000		58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000		58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 14000		58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000		58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000		61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000		61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000		63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500		64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4000		76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000		96.8	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800		96.9	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		98.5	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		98.9	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		98.9	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		98.9	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		98.9	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		98.9	99.5	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		98.9	99.5	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.9	99.5	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.9	99.5	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.9	99.5	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.9	99.5	99.6	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 AFSS/ETAC
 AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION
 1 2 1

LAJES AB AZ

71-81

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 2 3 4 5 6 7 8 9 10 11 12
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 2000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1800	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1600	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1400	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 1200	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 900	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 800	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 700	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 600	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 450	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 400	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 350	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 300	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 250	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 200	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 180	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 160	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 150	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 120	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 90	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 80	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 70	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 60	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 50	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 40	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 30	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 20	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 10	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 721

OFFICIAL CLIMATOLOGY BRANCH
USAF ETAC
AT LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 171 LAUREL AFB YEARS 71-80 MONTH ALL HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING ≥ 20000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	92.7	92.7	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3000	95.9	96.1	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	96.1	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	96.4	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 7474

ARMED CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

1 2 1
 STATION

LAUREL AFB

STATION NAME

71-80

YEARS

197

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

000-000
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000		49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000		49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 16000		49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 14000		49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 12000		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 10000		51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000		51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 8000		54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 7000		54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.1
≥ 6000		54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 5000		54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4500		54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 4000		63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3500		84.2	84.4	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.7
≥ 3000		90.2	90.0	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500		90.6	91.4	91.6	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000		91.9	92.6	92.9	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800		92.1	92.9	93.1	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500		93.8	94.6	95.0	95.2	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200		95.1	96.1	96.3	96.7	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000		95.3	96.2	96.5	97.0	97.0	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900		95.7	96.5	96.9	97.3	97.3	97.8	97.9	98.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800		95.9	96.8	97.1	97.7	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700		95.9	96.8	97.1	97.7	97.8	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		96.4	97.4	97.8	98.4	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		96.4	97.4	97.8	98.4	98.7	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		96.7	97.7	98.0	98.7	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		96.7	97.7	98.0	98.7	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		96.7	97.7	98.0	98.7	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		96.7	97.7	98.0	98.7	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		96.7	97.7	98.0	98.7	98.9	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 897

CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

LAJES AFB

71-80

YEAR

STATION NAME

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

30-50
HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 2000		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1800		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1600		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1400		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1200		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1000		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 900		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 800		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 700		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 600		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 500		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 450		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 400		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 350		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 300		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 250		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 200		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 180		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 160		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 140		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 120		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 100		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 80		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 60		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 40		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 5		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 2		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 0		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5

TOTAL NUMBER OF OBSERVATIONS

827

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. NATIONAL CLIMATOLOGY BRANCH
WETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAUREL AFB
STATION NAME

71-80
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO RECORD		37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 2500		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1800		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1500		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1400		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1200		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1000		43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 900		43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 800		47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 700		47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 600		47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 500		47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 450		48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 400		50.8	61.0	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 350		62.9	83.2	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 300		67.5	88.0	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 250		89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 200		89.9	89.9	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 180		90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 150		92.4	93.4	93.9	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 120		93.9	94.9	95.3	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 100		94.3	95.4	95.9	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 90		94.3	95.4	95.9	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 80		94.4	95.6	96.0	97.7	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 70		94.5	95.7	96.1	97.8	97.8	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 60		95.0	96.2	96.7	98.3	98.3	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 50		95.1	96.3	96.9	98.6	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 40		95.3	96.6	97.1	98.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 30		95.3	96.6	97.1	98.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 20		95.3	96.6	97.1	98.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 10		95.3	96.6	97.1	98.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		95.3	96.6	97.1	98.8	98.8	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 899

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB AZ
STATION NAME

71-80
YEARS

12
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-140
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING		34.9	34.9	32.9	30.9	34.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 20000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10000		50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 9000		51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 8000		55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 7000		55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 6000		55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 5000		56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4500		56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 4000		70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500		89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500		93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000		96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600		97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0		98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 699

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1-1

PAGES: A-42

71-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
10-1700
HOURS (L.S.T.)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14	≥ 15	≥ 16
≥ 2000	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 1800	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1600	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1400	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1200	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 1000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 900	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 800	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 700	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 600	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 500	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 450	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 400	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	46.1	48.8	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 3000	91.4	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	91.7	92.2	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	92.1	92.5	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	92.1	92.5	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	93.6	94.3	94.6	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	95.0	95.6	96.1	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	95.5	96.2	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	95.6	96.3	96.6	97.7	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	96.0	96.8	97.2	98.1	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	96.3	97.1	97.5	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	96.4	97.2	97.7	98.5	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	96.8	97.5	98.0	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	96.8	97.5	98.0	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.8	97.5	98.0	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.8	97.5	98.0	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.8	97.5	98.0	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.8	97.5	98.0	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 604

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
 STATION

LAJES AP AZ

STATION NAME

71-30

YEARS

95

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1977-1980
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING		38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000		47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000		47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000		47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 14000		47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000		48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000		49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 7000		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 6000		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000		55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4500		55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4000		69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3500		88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500		91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2000		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1000		96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900		97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800		97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600		98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400		98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 507

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES A7 A2

STATION NAME

71-80

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11.0-23.0
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000		51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000		51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000		51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000		51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 12000		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000		52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000		53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 8000		56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 7000		56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000		56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 5000		56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500		56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4000		67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3500		84.6	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000		89.1	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500		89.1	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000		90.3	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1800		93.9	94.1	94.5	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500		93.9	94.1	94.5	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200		93.9	94.1	94.5	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000		94.4	95.3	96.0	96.6	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900		94.5	95.4	96.1	96.7	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		94.9	95.8	96.4	97.1	97.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700		95.1	96.0	96.7	97.6	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600		95.3	96.2	96.9	97.8	97.9	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		95.7	96.7	97.3	98.2	98.3	98.7	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		95.8	96.8	97.4	98.3	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		95.8	96.8	97.4	98.3	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		95.8	96.8	97.4	98.3	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		95.8	96.8	97.4	98.3	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		95.8	96.8	97.4	98.3	98.4	98.8	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 829

U.S. AIR FORCE
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 101 LAUREL AFB TX 71-80 YEARS 1961-1970 MONTH ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/10	≥ 1/20	≥ 0
≥ 2000	41.1	41.1	41.8	41.4	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1800	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 1600	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 1400	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 1200	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 1000	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 800	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 600	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 400	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 200	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 100	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 50	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 30	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 15	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 1	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 0	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8

TOTAL NUMBER OF OBSERVATIONS 7187

3
 NATIONAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

112 1

LAJES AG AC

71-80

107

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1900-1999
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 0	≥ 0.1	≥ 0.2	≥ 0.3	≥ 0.4	≥ 0.5	≥ 0.6	≥ 0.7	≥ 0.8	≥ 0.9	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0
NO. CEILING ≥ 20000		37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 18000 ≥ 6000		39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 14000 ≥ 2000		39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 10000 ≥ 9000		40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 8000 ≥ 7000		43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000 ≥ 5000		43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500 ≥ 4000		43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 3500 ≥ 3000		54.8	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 2500 ≥ 2000		80.3	90.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800 ≥ 1500		90.0	90.8	91.2	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200 ≥ 1000		95.3	96.6	97.0	98.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900 ≥ 800		95.4	96.7	97.1	98.5	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700 ≥ 600		95.4	96.7	97.1	98.5	98.6	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500 ≥ 400		95.5	96.8	97.2	98.6	98.7	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300 ≥ 200		95.5	96.8	97.2	98.6	98.7	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0		95.5	96.8	97.2	98.6	98.7	99.4	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

U.S. AIR FORCE
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE/MAJ

CEILING VERSUS VISIBILITY

STATION
 1001

LAJES AIR AFB

71-80

100

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7-9-59
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
≥ 2000	37.1	37.7	38.0	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 1800	37.1	37.7	38.0	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 1600	37.1	37.7	38.0	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 1400	37.1	37.7	38.0	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 1200	37.1	37.7	38.0	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 1000	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 800	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 600	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 500	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 450	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 400	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 350	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 300	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 250	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 200	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 180	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 150	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 120	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 100	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 90	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 80	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 70	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 60	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 50	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 40	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 30	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 20	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 10	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS 925

REAR CLIMATOLOGY BRANCH
USAF ETAC
400 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJUN AB AZ

71-80

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

400-16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO. OF UNITS ≥ 20000		30.6	30.6	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 18000		30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000		30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 14000		30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 12000		30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 10000		30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 8000		40.3	40.3	40.3	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 7000		40.3	40.3	40.3	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 6000		40.5	40.5	40.5	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 5000		40.5	40.5	40.5	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 4500		40.9	40.9	40.9	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 4000		53.0	53.0	53.1	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 3500		84.1	84.1	84.2	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000		89.3	89.3	89.5	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500		89.3	89.3	89.5	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000		90.5	90.5	90.6	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800		90.7	90.7	90.9	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500		92.9	92.9	93.2	93.5	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200		93.9	93.9	94.2	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000		94.2	94.2	94.5	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900		94.3	94.3	94.6	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 400		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 200		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 100		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 0		94.4	94.4	94.7	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 400

JOINT CLIMATOLOGY BRANCH
 AFMSTAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17-1
 STATION

LAJES AN AT

STATION NAME

71-87

YEARS

CT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1-1-17
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO. OBS.		25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 20000		36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 18000		36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000		36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000		36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000		36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000		37.7	37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 9000		37.7	37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 8000		46.2	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000		46.2	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000		46.2	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000		46.3	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 4500		46.3	46.3	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000		62.2	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3500		85.7	86.0	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000		88.3	88.3	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500		88.3	88.4	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000		88.8	89.4	90.0	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800		89.2	89.8	90.4	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500		91.9	92.5	93.1	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200		93.3	94.1	94.7	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1000		93.8	94.5	95.3	97.6	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 900		93.9	94.6	95.4	97.7	97.8	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 800		93.9	94.6	95.4	97.7	97.8	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6
≥ 700		94.1	94.9	95.7	98.1	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 600		94.1	95.2	95.9	98.4	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		94.1	95.3	96.0	98.6	98.7	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 400		94.2	95.4	96.1	98.7	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 300		94.2	95.4	96.1	98.7	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 200		94.2	95.4	96.1	98.7	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 100		94.2	95.4	96.1	98.7	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 0		94.2	95.4	96.1	98.7	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 27

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

FIG 1

LAJES AR AZ

71-60

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10-2-14
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO RECORD		27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 2000		80.0	41.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 1800		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 1600		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 1400		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 1200		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 1000		41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 900		41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 800		43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 700		43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 600		43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 500		43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 450		50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 400		55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 350		57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 300		57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 250		59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 200		59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 180		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 160		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 140		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 120		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 100		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 90		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 80		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 70		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 60		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 50		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 40		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 30		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 0		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3

TOTAL NUMBER OF OBSERVATIONS

AL CLIMATOLOGY BRANCH
HILL
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAUREL AL

STATION NAME

71-60

YEARS

1967

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 0-17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64
NO. BASED ON 27000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 18000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 14000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 10000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 7000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 5000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 4000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 3000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 2000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 1500	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 1000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 800	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 600	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 400	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 300	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 200	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 100	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
2 0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2

TOTAL NUMBER OF OBSERVATIONS 500

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/44C

CEILING VERSUS VISIBILITY

1 2 1
 STATION

LAJES AL AZ

STATION NAME

71-60

YEARS

1977

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1977-1977
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ .	≥ .
NO RECORD		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 2000		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1800		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1600		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1400		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1200		39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 1000		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 900		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 800		46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 700		46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 600		46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 500		47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 450		47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 400		61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 350		85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 300		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 250		90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 200		90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 180		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 150		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 120		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 100		94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 90		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 80		96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 70		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 60		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 50		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 40		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 30		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 20		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ .		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 700

AL CLIMATOLOGY WATCH
 ETAC
 OPERATION SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

71-80

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

11-0-23
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO. BLIND		34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000		34.1	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 18000		34.1	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 16000		34.1	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 14000		34.1	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 12000		34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000		34.2	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 9000		34.4	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 8000		43.3	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 7000		43.3	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 6000		43.4	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 5000		43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500		44.0	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 4000		57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 3500		85.3	85.6	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000		90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500		90.6	91.2	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2000		90.9	91.4	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1800		91.7	92.3	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500		94.1	94.7	95.5	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		94.5	95.8	96.6	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000		94.5	95.9	96.7	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900		94.8	96.3	97.1	98.5	98.5	99.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		94.8	96.3	97.1	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		94.3	96.5	97.2	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		94.9	96.5	97.2	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1721

STATION NAME
 LAJES AFB

YEARS
 71-80

MONTH
 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING		31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000		38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000		38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000		38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000		38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000		38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 10000		40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 9000		40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 8000		45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000		45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 6000		45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 5000		45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4500		45.7	45.8	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 4000		59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3500		85.4	85.8	86.0	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000		89.1	89.7	89.9	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500		89.5	90.0	90.3	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000		90.0	90.6	90.9	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800		90.5	91.1	91.4	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 1500		93.6	94.5	95.0	95.9	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5
≥ 1200		94.6	95.7	96.2	97.6	97.7	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000		94.8	95.9	96.5	97.9	97.9	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 900		94.9	96.1	96.6	98.1	98.1	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 800		94.9	96.1	96.6	98.1	98.2	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
≥ 700		95.1	96.2	96.8	98.3	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 600		95.1	96.3	96.9	98.5	98.5	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
≥ 500		95.1	96.4	96.9	98.5	98.6	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400		95.2	96.4	97.0	98.6	98.6	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 300		95.2	96.4	97.0	98.6	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200		95.2	96.4	97.0	98.6	98.6	99.1	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100		95.2	96.4	97.0	98.6	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
≥ 0		95.2	96.4	97.0	98.6	98.6	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

CLIMATE CLIMATOLOGY BRANCH
 ETAC
 AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

STATION

LAJES AIR AC

71-80

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-52
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0	≥ 0
≥ 20000	30.3	31.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 18000	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 16000	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 14000	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 12000	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 10000	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 9000	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 8000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 7000	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 6000	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 5000	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 4500	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 4000	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 3500	77.6	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3000	87.4	88.7	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2500	88.1	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	89.7	89.9	90.0	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	90.1	90.2	90.4	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	92.0	93.5	93.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1200	94.0	95.7	96.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	94.3	96.0	96.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	94.4	96.1	96.9	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	94.8	96.4	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	94.9	96.6	97.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.1	96.8	97.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	95.2	96.9	97.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.2	96.9	97.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.2	96.9	97.9	99.3	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	95.2	96.9	97.9	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.2	96.9	97.9	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.2	96.9	97.9	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 879

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AB A2

STATION NAME

71-80

YEARS

NOV

MORNING

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

700-257
HOURS (L.S.T.)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING		27.8	27.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 2000		71.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1800		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1600		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1400		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1200		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 1000		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 900		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 800		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 700		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 600		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 500		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 450		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 400		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 350		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 300		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 250		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 200		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 180		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 150		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 120		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 100		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 0		31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4

TOTAL NUMBER OF OBSERVATIONS 89

CLIMATOLOGY BRANCH
 ETAC
 AND WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1201

LAJES AL AZ

71-80

NO.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH
 12-1-60
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000		23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 18000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 16000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 14000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 12000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 10000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 9000		27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 8000		31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 7000		31.6	31.6	31.6	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 6000		31.6	31.6	31.6	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 5000		31.6	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 4500		32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 4000		43.3	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 3500		77.2	77.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000		85.4	86.5	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500		85.7	86.8	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000		86.7	87.9	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800		87.3	88.7	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1500		91.2	92.5	93.5	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200		93.3	95.0	96.2	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000		93.9	95.7	97.0	97.7	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		94.2	96.7	97.3	98.0	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		94.5	96.3	97.7	98.7	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		94.5	96.3	97.7	98.7	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		94.5	96.3	97.7	98.7	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		94.7	96.4	97.8	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		94.7	96.4	97.8	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		94.7	96.4	97.8	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		94.7	96.4	97.8	99.0	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		94.7	96.4	97.8	99.0	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		94.8	96.6	97.9	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 524

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721
STATION

LAJES AL AM
STATION NAME

71-87
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7
≥ 18000		30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 16000		30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 14000		30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 12000		30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 10000		31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000		32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 8000		38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 7000		38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 6000		38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 5000		38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 4500		39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 4000		51.7	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 3500		77.1	77.4	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000		82.6	83.2	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500		83.0	83.7	84.3	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000		83.6	84.4	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800		84.9	85.8	86.4	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1500		89.6	91.0	91.6	92.3	92.3	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200		92.0	93.4	94.3	94.9	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000		92.3	94.1	95.0	95.7	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900		93.2	95.7	96.0	97.0	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		93.3	95.2	96.3	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700		93.3	95.2	96.3	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600		93.4	95.6	96.7	98.2	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		93.4	95.7	96.8	98.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400		93.6	95.8	96.9	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		93.6	95.8	96.9	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		93.6	95.8	96.9	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		93.6	95.8	96.9	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		93.6	95.8	96.9	98.6	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 200

U.S. AIR FORCE
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 1001

STATION NAME
 CAJON AIR AB

YEARS
 71-80

MONTH
 10-14

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING		21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 20000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 18000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 16000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 14000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 12000		31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 10000		33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 9000		33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 8000		39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000		40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 6000		40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 5000		40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 4500		41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 4000		55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500		79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000		85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2500		85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000		85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500		90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1200		91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000		92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900		93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 800		93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700		93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 500		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 400		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 300		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 200		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 100		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 0		93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4

TOTAL NUMBER OF OBSERVATIONS 800

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1

LAJES AIR AC

71-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1900
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO RECORD		20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
≥ 2000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 1800		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 1600		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 1400		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 1200		31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 1000		32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 900		33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 800		39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 700		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 600		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 500		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 450		41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 400		56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 350		79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 300		84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 250		84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 200		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 180		87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 160		92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 140		92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 120		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 100		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 90		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 80		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 70		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 60		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 50		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 40		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 30		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 20		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 10		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 0		94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS 207

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AP AC

STATION NAME

71-80

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14 7-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 18000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 16000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 14000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 12000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 10000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 9000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 8000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 7000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 6000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 5000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 4500		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 4000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 3500		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 3000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 2500		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 2000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 1800		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 1500		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 1200		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 1000		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 900		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 800		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 700		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 600		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 500		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 400		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 300		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 200		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 100		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 0		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5

TOTAL NUMBER OF OBSERVATIONS 699

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

STATION
111

LAJES AN AP

STATION NAME

71-80

YEARS

MONTH
NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-7-73
HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
≥ 2000	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 1800	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 1600	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 1400	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 1200	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 1000	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 900	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 800	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 700	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 600	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 500	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 450	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 400	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 350	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 300	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 250	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 200	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 180	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 150	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 120	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 100	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 90	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 80	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 400	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 200	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 100	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 507

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 WEATHER SERVICE/MAN

CEILING VERSUS VISIBILITY

STATION 1 LAUREL AFB

71-80

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING ≥ 20000		24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
≥ 18000 ≥ 15000		30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 14000 ≥ 12000		30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 10000 ≥ 9000		31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 8000 ≥ 7000		32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 6000 ≥ 5000		37.2	37.4	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 4500 ≥ 4000		38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 3500 ≥ 3000		44.9	45.7	46.1	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 2500 ≥ 2000		55.3	56.1	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 1800 ≥ 1500		67.7	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 1200 ≥ 1000		82.4	84.0	85.0	86.2	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900 ≥ 800		93.2	94.9	95.9	97.5	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700 ≥ 600		93.7	95.4	96.5	98.2	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500 ≥ 400		93.9	95.7	96.8	98.7	98.7	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300 ≥ 200		93.9	95.8	96.9	98.8	98.8	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100 ≥ 0		93.9	95.8	96.9	98.8	98.8	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 7189

CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

1 2 1
STATION

LAJES AP AZ

71-60

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO RECORD ≥ 20000		72.0	37.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 18000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 16000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 14000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 12000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 10000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 8000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 6000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 4500		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 3000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 2000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 1500		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 1000		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 800		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 600		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 450		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 300		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 200		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 100		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 0		72.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1

TOTAL NUMBER OF OBSERVATIONS

LOCAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

LAJES AP AB

71-80

010

STATION NAME

LAJES AP AB

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1971-1980
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NOT RECORDED ≥ 20000		28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 18000 ≥ 6000		30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 14000 ≥ 12000		30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 10000 ≥ 9000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 8000 ≥ 7000		33.8	33.8	33.8	33.8	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 6000 ≥ 5000		34.2	34.2	34.2	34.2	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 4500 ≥ 4000		35.1	35.1	35.1	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 3500 ≥ 3000		47.6	47.6	47.6	48.0	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 2500 ≥ 2000		80.9	81.4	82.7	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1800 ≥ 1500		89.9	89.9	91.2	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200 ≥ 1000		90.2	90.2	91.5	92.0	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900 ≥ 800		91.2	91.2	92.5	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 700 ≥ 600		91.9	92.7	93.3	94.1	94.1	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 500 ≥ 400		92.9	94.1	95.4	96.3	96.3	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300 ≥ 200		94.6	95.4	97.3	98.4	98.4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100 U		94.8	96.1	97.7	99.1	99.1	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
		94.9	96.2	97.8	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		94.9	96.2	97.8	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		94.9	96.2	97.8	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		94.9	96.2	97.8	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		94.9	96.2	97.8	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		94.9	96.2	97.8	99.2	99.2	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 974

GLOBAL CLIMATOLOGY BRANCH
 AFMFLTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 2 1

LAJES AP AZ

71-80

010

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-0800
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 0	≥ 0
NO CEILING ≥ 20000		26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 18000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 16000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 14000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 12000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 10000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 8000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 6000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 5000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 4500		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 4000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 3500		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 3000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 2500		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 2000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 1800		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 1500		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 1200		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 1000		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 900		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 800		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 700		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 600		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 500		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 400		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 300		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 200		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 100		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 0		26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9

TOTAL NUMBER OF OBSERVATIONS 271

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

CEILING VERSUS VISIBILITY

STATION

LAJES AIR AFB

71-80

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
≥ 20000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 18000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 14000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 12000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 10000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000		31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 8000		38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 7000		38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 6000		38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 5000		38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 4500		39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 4000		51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 3500		77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000		86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500		87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1800		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 300		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 200		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 100		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 0		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS

071

USAF ETAC

FORM
JUL 64

0-14-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3
 GLOBAL CLIMATOLOGY BRANCH
 USFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 271

LAJES AR AZ

71-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1400
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
≥ 18000 ≥ 6000		30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 1400 ≥ 1200		31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 1000 ≥ 900		32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 800 ≥ 700		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 600 ≥ 500		40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 450 ≥ 400		40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 350 ≥ 300		42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 250 ≥ 200		45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 150 ≥ 100		55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 90 ≥ 80		66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 70 ≥ 60		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 50 ≥ 40		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 30 ≥ 20		79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 10 ≥ 0		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 271

U.S. AIR FORCE
 CLIMATE DIVISION
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1 2 1

LAJES AP AZ

71-85

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1965-1970
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2 1/2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥1/2	≥1/4	≥1/8	≥1/16	≥0
NO CEILING ≥ 20000		17.4	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
≥ 18000		28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 16000		28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 14000		28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 12000		28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 10000		29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 9000		29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 8000		34.8	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 7000		34.8	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 6000		35.0	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 5000		35.1	35.4	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 4500		36.0	36.4	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 4000		43.4	49.0	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 3500		78.0	78.7	79.2	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000		83.1	84.0	84.7	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500		83.7	84.7	85.3	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2000		84.5	85.4	86.2	86.9	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800		85.4	86.7	87.5	88.2	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500		90.9	92.8	93.6	95.1	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		92.4	94.3	95.1	96.9	96.9	97.5	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000		92.4	94.4	95.3	97.0	97.0	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900		92.7	94.6	95.5	97.5	97.5	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		92.7	94.6	95.5	97.5	97.5	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		92.8	94.6	95.7	97.7	97.7	98.4	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		93.0	95.0	95.9	98.0	98.0	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		93.0	95.0	95.9	98.1	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		93.0	95.0	95.9	98.1	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		93.0	95.0	95.9	98.1	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		93.0	95.0	95.9	98.1	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		93.0	95.0	95.9	98.1	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ U		93.0	95.0	95.9	98.1	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 977

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0 1
 STATION

LAJES AB AZ

STATION NAME

71-82

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1950-1951
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 18000	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 16000	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 14000	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 12000	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 10000	30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 9000	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 8000	35.0	35.0	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 7000	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 6000	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 5000	35.1	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 4500	35.4	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 4000	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 3500	79.8	79.8	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 3000	86.3	86.3	86.6	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	86.9	87.5	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 2000	87.4	88.3	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1800	87.8	89.6	89.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	92.3	93.6	94.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	93.4	94.9	95.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	93.6	95.2	95.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	93.7	95.4	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	93.7	95.4	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	93.7	95.4	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	94.2	95.8	96.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 425

GLOBAL CLIMATOLOGY BRANCH
AFM/TAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1021

LAJES AB AZ

71-87

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 0-0300
HOURS (L.M.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000		27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 18000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 16000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 14000		31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 12000		32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 10000		32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 9000		32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 8000		36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 7000		36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 6000		36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 5000		36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 4500		36.7	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 4000		49.7	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 3500		82.2	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000		89.5	90.4	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2500		89.8	90.7	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000		90.3	91.4	91.7	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800		90.7	91.8	92.1	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500		94.0	95.2	95.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200		95.2	96.5	96.9	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		95.5	96.8	97.1	99.1	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		95.8	96.9	97.2	99.2	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		95.7	97.0	97.3	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		95.7	97.0	97.3	99.4	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		95.8	97.1	97.4	99.5	99.6	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1721

LAJES A3 AZ

71-80

Dec

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/8	≥ 0
NO CEILING		24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 20000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5
IN 18000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5
IN 16000		30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5
IN 14000		30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
IN 12000		30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.7	30.7
IN 10000		31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.5	31.5
IN 9000		31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.7
IN 8000		35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	36.0	36.0
IN 7000		35.9	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IN 6000		35.9	36.0	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IN 5000		36.0	36.2	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IN 4500		36.8	37.0	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IN 4000		49.6	49.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2
IN 3500		80.5	81.1	81.4	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9
IN 3000		87.3	88.2	88.6	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IN 2500		87.7	88.6	89.0	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IN 2000		98.5	99.5	90.0	90.8	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IN 1800		89.0	90.0	90.6	91.4	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IN 1500		92.7	94.7	94.7	96.0	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 1200		94.1	95.6	96.2	97.8	97.8	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5
IN 1000		94.2	95.6	96.5	98.1	98.2	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.9	99.0	99.0
IN 900		94.3	95.8	96.6	98.3	98.4	98.4	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IN 800		94.4	95.9	96.6	98.4	98.5	98.5	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4
IN 700		94.4	95.9	96.7	98.5	98.5	98.5	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5
IN 600		94.5	96.0	96.8	98.6	98.7	98.7	99.1	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7
IN 500		94.5	96.1	96.8	98.6	98.7	98.7	99.2	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8
IN 400		94.5	96.1	96.8	98.6	98.7	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IN 300		94.5	96.1	96.8	98.7	98.7	98.7	99.2	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IN 200		94.5	96.1	96.8	98.7	98.7	98.7	99.2	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0
IN 100		94.5	96.1	96.8	98.7	98.7	98.7	99.2	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0
IN 0		94.5	96.1	96.8	98.7	98.7	98.7	99.2	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7421

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

STATION 1 LAJES AR 42 STATION NAME 71-81 YEARS ALL MONTH ALL HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING		71.4	31.4	71.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 20000		37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 18000		37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 16000		37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 14000		37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 12000		38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 10000		39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 9000		39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 8000		42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 7000		42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 6000		42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 5000		43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500		43.5	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 4000		56.8	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500		82.4	82.8	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000		88.4	89.0	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500		88.9	89.5	89.8	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000		89.6	90.3	90.7	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800		89.9	90.6	91.0	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500		93.7	94.7	94.9	95.4	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200		94.3	95.4	96.1	97.2	97.3	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		94.7	95.9	96.6	97.9	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900		94.8	96.7	96.7	98.0	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		95.0	96.2	96.9	98.3	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		95.1	96.3	97.0	98.4	98.5	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		95.2	96.4	97.1	98.6	98.7	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		95.2	96.5	97.2	98.7	98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		95.2	96.5	97.2	98.7	98.9	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		95.2	96.5	97.2	98.8	98.9	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200		95.2	96.5	97.2	98.8	98.9	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100		95.2	96.5	97.2	98.8	98.9	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0		95.2	96.5	97.2	98.8	98.9	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 67577

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

SKY COVER

77-81

449

STATION

STATION NAME

PER 00

2013

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF DAYS
		0	1	2	3	4	5	6	7	8	9	10		
JAN.	00-02	1.6	11.8		7.2	7.8	3.7	10.3		14.6	20.9	22.1	6.7	321
	03-05	2.2	3.3		5.4	9.0	2.9	11.2		13.1	25.3	21.5	6.9	312
	06-08		2.4		5.7	9.9	6.3	12.3		15.0	29.4	15.9	7.4	333
	09-11		2.6		3.5	7.3	6.1	8.3		15.7	37.7	14.6	7.8	313
	12-14		1.3		3.9	8.1	6.1	10.4		17.2	33.3	19.7	7.7	309
	15-17		4.6		4.3	5.8	6.4	8.9		11.3	39.9	19.7	7.6	326
	18-20	.3	7.7		4.7	10.1	5.7	8.4		9.6	26.3	26.9	7.3	297
	21-23	2.3	9.0		5.2	8.7	7.7	11.9		11.3	21.6	22.3	6.6	310
TOTALS		.8	6.0		5.1	8.3	5.6	10.2		13.5	29.3	21.1	7.3	2521

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

17201 LAJES AB AZ

73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	2.7	10.3		2.4	8.6	3.8	12.0		12.4	17.9	29.9	7.0	291
	03-05	2.0	7.7		7.1	3.7	4.4	10.1		19.5	16.2	27.3	7.2	297
	06-08	.7	3.4		3.4	10.5	7.8	10.9		14.3	20.4	26.6	7.4	294
	09-11		.7		3.2	7.5	6.0	8.9		17.8	28.5	27.4	8.0	281
	12-14		1.7		6.3	5.9	6.3	8.7		16.0	31.3	24.0	7.8	288
	15-17	.4	3.2		5.0	7.9	5.7	7.9		15.1	30.5	24.4	7.6	279
	18-20	1.1	4.4		5.1	8.4	6.9	12.8		15.0	20.4	25.9	7.3	274
	21-23	.4	9.3		6.1	8.6	5.7	10.0		6.6	23.7	29.4	7.1	279
TOTALS		.9	5.1		4.8	7.6	5.8	10.2		14.6	23.9	27.1	7.4	2283

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

531

SAISON

STAT ON NAME

062 32

100

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	2.3	10.6		7.9	7.9	5.3	6.0		10.3	21.9	27.8	5.9	102
	03-05	2.7	9.8		5.7	9.5	2.4	9.5		13.2	22.0	26.4	7.0	296
	06-08	.4	1.1		2.5	6.3	7.0	7.0		15.1	30.5	30.2	9.1	285
	09-11		1.4		0.1	2.9	7.5	11.1		17.1	31.1	26.8	8.1	280
	12-14		.7		3.8	5.9	8.4	8.7		12.9	32.8	26.8	9.0	297
	15-17		1.5		3.2	6.3	5.6	7.4		17.6	34.2	23.9	9.0	284
	18-20		2.5		6.0	10.5	6.9	9.1		10.5	22.5	30.1	7.4	276
	21-23	2.5	10.9		9.1	10.2	1.8	7.4		10.9	19.6	28.8	6.8	285
TOTALS		1.0	4.7		5.2	7.4	5.6	8.3		13.5	26.8	27.6	7.5	2295

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SKY COVER

13201 LAJES AR AZ

73-80

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	1.1	4.4		4.4	7.7	4.4	7.0		12.8	22.0	36.3	7.8	273
	03-05	1.8	4.6		6.0	6.3	4.6	8.8		12.7	17.3	38.0	7.6	284
	06-08		1.9		3.3	4.0	7.2	5.1		6.5	33.3	38.8	8.3	276
	09-11		1.9		2.3	5.7	5.3	9.2		13.0	33.6	29.7	8.1	262
	12-14		2.5		3.9	7.5	6.8	7.9		13.3	33.0	25.1	7.8	279
	15-17		1.9		3.0	7.8	6.2	9.6		10.4	34.1	27.0	7.9	270
	18-20	.4	3.4		5.3	7.2	5.3	10.6		8.7	29.3	30.4	7.7	263
	21-23	2.2	5.5		8.9	5.9	6.3	6.3		6.6	22.9	35.4	7.4	271
TOTALS		.7	3.3		4.6	6.5	5.8	8.1		10.4	28.2	32.5	7.8	2178

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

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STATION

STATION NAME

SEP 60

 Springer

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	4.0	9.4		9.4	7.6	5.8	11.6		10.5	15.5	26.4	6.5	277
	03-05	2.5	7.0		8.4	10.9	7.4	8.4		10.9	22.1	22.5	6.7	285
	06-08		3.8		3.8	7.0	8.7	6.3		12.9	38.5	18.9	7.6	286
	09-11		2.5		5.8	7.2	9.0	11.2		13.7	32.9	17.7	7.4	277
	12-14		5.1		6.9	6.2	12.7	10.5		13.0	32.6	13.0	7.1	276
	15-17		3.5		8.0	11.1	10.4	9.3		14.2	29.1	14.5	7.0	289
	18-20		3.5		5.6	9.9	9.5	7.7		14.8	29.6	19.4	7.3	284
	21-23	2.6	11.7		7.0	10.6	5.5	8.4		13.9	16.8	23.4	6.5	273
TOTALS		1.1	5.8		6.9	8.8	8.6	9.2		13.0	27.1	19.5	7.0	2247

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

SKY COVER

14271 LAJES AR AZ

73-80

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	4.1	15.9		4.5	5.6	4.5	7.9		5.6	18.4	33.5	6.7	266
	03-05	.4	7.6		5.3	6.1	7.2	5.7		13.7	16.7	37.3	7.5	263
	06-08	.4	4.3		4.3	7.5	4.6	7.5		8.6	32.5	30.4	7.8	294
	09-11		3.5		3.1	6.7	7.2	6.7		12.7	30.6	24.6	7.5	284
	12-14		4.1		6.2	6.4	6.0	13.9		15.4	26.6	19.5	7.2	267
	15-17		4.1		7.0	10.0	10.0	8.5		8.5	29.2	22.9	7.2	271
	18-20	.4	5.7		9.3	10.0	6.8	6.8		12.2	25.8	22.9	7.1	279
	21-23	3.7	15.4		9.2	6.2	4.8	7.3		10.6	13.9	28.9	6.4	273
TOTALS		1.1	7.6		7.0	7.3	6.4	8.0		10.9	24.2	27.5	7.2	2183

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

77-80

2012

STATION

STATION NAME

Page 20

433

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	8.4	18.5		5.8	7.6	7.3	8.7		8.7	17.1	17.8	5.6	275
	03-05	1.8	14.7		9.9	8.8	8.5	7.4		11.8	15.1	22.1	6.2	272
	06-08	.4	9.6		5.9	11.8	5.2	5.9		11.8	30.6	19.8	6.9	271
	09-11		6.0		9.0	13.9	6.7	10.1		15.3	26.5	12.7	6.7	268
	12-14		6.9		8.0	17.4	10.2	10.2		19.6	23.6	9.1	6.5	275
	15-17		9.7		17.8	9.7	12.3	9.3		13.4	24.9	10.7	6.3	269
	18-20	.4	15.6		9.8	9.5	9.5	6.5		15.3	23.6	9.8	6.0	275
	21-23	5.9	18.1		8.1	9.6	5.2	9.6		11.5	14.1	17.8	5.6	270
TOTALS		2.1	12.4		8.4	10.4	8.1	8.5		13.4	21.9	14.8	6.2	2179

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

AUG

STATION

STATION NAME

PERIOD

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	15.2	19.2		9.1	9.4	5.4	5.1		10.9	12.3	13.4	4.7	276
	03-05	9.9	23.0		11.0	7.1	5.7	9.6		7.8	14.9	11.0	4.8	282
	06-08	.7	14.7		9.8	11.9	8.4	6.6		17.1	21.7	9.1	6.0	286
	09-11		6.8		12.9	14.8	11.8	8.7		14.8	24.7	5.3	6.1	263
	12-14		7.5		13.3	14.7	11.1	12.9		14.3	20.1	6.8	6.0	272
	15-17		9.2		13.3	15.5	11.8	8.9		15.1	19.6	6.6	5.9	271
	18-20	1.1	16.6		11.8	12.5	8.9	12.2		8.9	20.7	7.4	5.5	271
	21-23	11.1	25.2		9.9	10.7	6.5	8.0		6.1	12.2	10.3	4.4	262
TOTALS		4.8	15.3		11.4	12.0	8.7	9.0		11.9	18.3	8.7	5.4	2190

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12201 LAJES AB AZ

73-80

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	5.4	16.7		9.1	9.9	5.3	7.6		9.1	18.6	15.2	5.5	263
	03-05	8.4	16.3		8.0	12.9	6.1	7.6		10.6	14.8	15.2	5.4	263
	06-08	1.2	10.4		6.9	10.8	7.7	11.2		14.2	24.6	13.1	6.5	260
	09-11		6.8		9.1	12.5	6.8	14.1		18.3	22.4	9.9	6.5	263
	12-14		5.0		10.7	15.7	9.6	11.1		17.2	20.3	17.3	6.4	261
	15-17	.4	8.0		8.8	13.4	9.5	13.4		13.7	23.3	9.5	6.3	262
	18-20	1.2	10.9		12.1	9.3	7.8	12.5		15.6	19.5	11.3	6.1	257
	21-23	7.7	18.5		5.8	9.6	9.2	6.9		9.6	13.1	16.5	5.3	261
TOTALS		3.4	11.6		9.2	11.8	7.8	10.6		13.5	19.6	12.6	6.0	2089

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

13201 LAJES AB AZ

73-80

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	1.5	11.9		6.7	12.2	6.3	8.9		11.5	18.1	23.0	6.5	270
	03-05	2.3	13.1		8.1	9.6	5.0	12.7		14.6	18.5	16.2	6.2	260
	06-08	.4	3.3		6.6	9.5	8.8	6.6		16.8	32.1	16.1	7.3	274
	09-11		2.5		6.1	8.2	5.7	12.9		19.7	29.4	15.4	7.4	279
	12-14		2.2		3.3	12.0	7.3	13.5		16.1	31.8	13.9	7.3	274
	15-17		4.1		3.0	8.2	13.1	11.2		16.1	30.3	13.9	7.2	267
	18-20		9.9		9.2	11.7	5.5	8.8		13.0	20.5	20.5	6.7	273
	21-23	2.1	8.6		8.6	10.4	7.5	8.6		10.0	20.7	23.6	6.7	280
TOTALS		.9	7.0		6.5	10.2	7.4	10.4		14.8	25.2	17.8	6.9	2177

SKY COVER

404

STATION

STATION NAME

PER: 00

MONIN

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	2.3	6.8		6.7	6.5	5.7	8.0		13.3	19.0	29.7	7.1	263
	03-05	2.6	7.1		3.8	9.0	7.5	6.0		15.8	19.2	24.9	7.2	266
	06-08	.4	2.9		5.0	5.8	7.6	9.7		12.9	29.1	26.6	7.7	278
	09-11		4.5		2.6	7.1	8.2	9.0		10.8	32.8	25.0	7.7	268
	12-14		2.7		4.2	7.3	10.0	6.5		13.1	30.0	26.2	7.7	260
	15-17		3.5		3.1	6.2	10.4	8.8		11.2	33.1	23.8	7.7	260
	18-20	.4	5.0		7.6	9.2	7.3	10.7		10.7	20.2	29.0	7.2	262
	21-23	1.5	8.8		7.3	8.1	4.2	10.0		10.4	21.5	28.1	7.0	260
TOTALS		.9	5.2		5.3	7.4	7.6	8.6		12.3	25.6	27.2	7.4	2117

SKY COVER

JEC

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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	1.1	7.5		4.9	7.9	6.0	14.6		12.4	20.2	25.5	7.1	267
	03-05	1.1	9.3		5.6	8.5	3.7	8.9		15.2	22.6	25.2	7.1	270
	06-08		5.0		4.6	8.9	5.3	9.6		17.1	27.8	21.7	7.4	281
	09-11	.4	3.0		2.2	7.4	8.6	9.7		12.6	32.3	23.8	7.7	269
	12-14		.7		2.2	5.6	10.1	9.4		16.5	31.5	24.0	7.9	267
	15-17		2.3		3.4	7.6	4.2	9.1		12.9	40.9	19.7	7.9	264
	18-20	.4	3.5		6.2	9.7	4.7	12.0		18.6	20.2	24.8	7.3	259
	21-23	1.5	7.3		7.3	8.4	4.4	11.6		14.9	24.7	20.0	7.0	275
TOTALS		.6	4.8		4.6	8.0	5.9	10.6		15.0	27.5	23.1	7.4	2151

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

1971 LAJES AM AZ

73-81

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	.8	6.0		5.1	8.3	5.6	10.2		13.5	29.3	21.1	7.3	2521
FEB		.9	5.1		4.8	7.6	5.8	10.2		14.6	23.9	27.1	7.4	2283
MAR		1.0	4.7		5.2	7.4	5.6	8.3		13.5	26.8	27.6	7.5	2295
APR		.7	3.3		4.6	6.5	5.8	8.1		10.4	28.2	32.5	7.6	2178
MAY		1.1	5.8		6.9	8.8	8.6	9.2		13.0	27.1	19.5	7.0	2247
JUN		1.1	7.6		7.0	7.3	6.4	8.0		10.9	24.2	27.5	7.2	2183
JUL		2.1	12.4		8.4	10.4	8.1	9.5		13.4	21.9	14.8	6.2	2175
AUG		4.8	15.3		11.4	12.0	8.7	9.0		11.9	18.3	8.7	5.4	2190
SEP		3.4	11.6		9.2	11.8	7.8	10.6		13.5	19.6	12.6	6.0	2089
OCT		.8	7.0		6.5	10.2	7.4	10.4		14.8	25.2	17.8	6.9	2177
NOV		.9	5.2		5.3	7.4	7.6	8.6		12.3	25.6	27.2	7.4	2117
DEC		.6	4.8		4.6	8.0	5.9	10.6		15.0	27.5	23.1	7.4	2151
TOTALS		1.5	7.4		6.6	8.9	6.9	9.3		13.1	24.8	21.6	7.0	26606

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

44-81

17201 LAJES AB AZ
STATION STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

"AXIOM"

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U.S. AIR FORCE CLIMATOLOGY BRANCH
 AF WEATHER SERVICE/41AC
 121 LAUREL AFB AL
 STATION STATION NAME

44-41

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

1111

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70								0.4	0.2				0.6
71						0.6	5.2	14.7	3.9	1.2	0.1		2.6
72				0.1	1.3	15.2	49.0	66.6	51.6	22.1	6.7	1.1	17.9
73	9.6	5.4	7.3	7.5	26.1	65.5	90.5	94.1	89.2	65.7	39.9	19.7	43.8
74	42.7	36.5	39.2	54.6	75.3	92.9	99.9	99.9	99.1	94.1	79.4	60.7	73.1
75	81.0	76.3	81.4	91.0	97.1	99.6	100.0	100.0	100.0	99.7	96.4	90.3	92.9
76	96.4	94.2	98.4	99.4	100.0	100.0				100.0	100.0	98.9	99.0
77	100.0	100.0	100.0	100.0								100.0	100.0
78													
79													
80													
81													
82													
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	53.4	52.6	53.2	54.5	56.3	61.6	64.2	65.9	64.5	61.3	58.1	55.4	59.4
S D	4.596	4.576	4.150	3.668	3.749	3.970	3.497	3.780	4.025	4.310	4.551	4.561	4.170
TOTAL OBS	1147	1016	1116	1080	1116	1069	1116	1116	1080	1147	1080	1116	13199

AD-A113 227

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
LAJES AB, AZORES. REVISED UNIFORM SUMMARY OF SURFACE WEATHER 08--ETC(U)
NOV 81

UNCLASSIFIED

USAFETAC/DS-81/103

S81-AD-E850 143

NL

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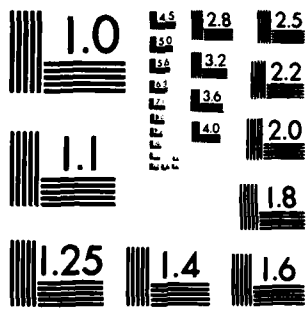
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

U. S. AIR FORCE CLIMATOLOGY BRANCH

AFSC 10-1

AFSC 10-1 WEATHER SERVICE/MAC

STATION 10201 LAJES AIR AC STATION NAME

44-81

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

W. A. 4

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70						.2	5.0	13.0	7.1				.0
75					.4	10.8	47.6	73.4	52.5	15.3	1.3		2.3
80	2.3	.3	1.3	3.0	18.1	62.1	95.6	98.8	95.4	64.3	25.8	6.5	16.9
85	29.9	27.1	30.4	43.7	76.0	96.4	100.0	100.0	99.9	96.9	76.6	48.7	39.6
90	79.9	74.7	81.5	93.1	99.3	100.0			100.0	100.0	98.5	91.1	68.6
95	99.9	98.1	99.6	99.8	100.0						100.0	99.9	93.2
100	100.0	100.0	100.0	100.0								100.0	99.7
105													100.0
110													
115													
120													
125													
130													
135													
140													
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150													
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230													
235													
240													
245													
250													
255													
260													
265													
270													
275													
280													
285													
290													
295													
300													
MEAN	57.5	56.9	57.6	57.0	61.7	65.6	69.4	71.2	69.7	65.7	62.1	59.4	63.0
S.D.	3.529	3.509	3.318	2.966	3.174	3.269	2.958	2.940	3.208	3.460	3.582	3.498	5.965
TOTAL OBS	1147	1016	1116	1080	1110	1069	1116	1116	1080	1147	1080	1116	13199

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

12201 LAJES AB AZ 44-21
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
44	70*	69	72	73	74	75	78	81	82	76	73	70	82
45	60	69	69	73	72	78	82	82	81	76			
46										73	71	69	
47	67	67	72	68	76	76	78	81	81	79	75	70	61
48	67	66	68	69	75*	77	82	83	81	76	73	66	83
49	65	69	68	68	75*	79	80	82	78	75	75	69	82
50	66		68	71	71	79	83	83	82	75	75	66	
51	66	68	67	70	74	79	79	83	84	80	70	71	64
52	65	67	70	69	72	77	79	83	78	77	72	68	83
53	65	64	65	69	70	75	83	83	83	77	73	64	83
54	65	68	68	69	70	77	77	83	81	78	70	72	83
55	67	67	66	70	73	78	80	83	80	76	73	69	83
56	66	65	68	65	70	75	82	84	80	72	71	63	84
57	67	69	67	70	74	77	75	80	79	75	71	66	87
58	65	67	69	66	69	78	84	82	78	75	70	71	94
59	68	64	68	69	72	80	76	81	80	74	71	70	81
60	66	67	67	68	71	75	80	82	81	76	72	69	82
61	69	67	67	74	72	73	80	84	86	76	70	68	66
62	65	66	66	68	70	77	80	78	81	74	69	66	81
63	68	68	65	69	69	75	79	78	78	79	69	69	79
64	65	65	65	67	72	72	80	78	77	74	71	67	80
65	68	65	69	71	75	80	79	81	83	77	70	72	93
66	67	67	67	69	70	75	77	83	80	76	68	66	83
67	66	69	70	67	75	76	81	83	84	83	74	70	84
68	67	67	65	67	72	78	79	83	81	76	71	65	83
69	67	62	63	68	71	76	82	81	83	80	72	70	83
70	67	65	64	70	70	74	82	83	83	76	74	68	83
71	70*	65	67	71	71	77	81	79	77	76	70	67	81
72	65	63	68	70	76	79	85	82	78	71	71	66	85
73	66	62	69	68	71	75	78	82	83	78	71	69	82
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OLA)
(AT LEAST ONE DAY LESS THAN 24 OBS)

W (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

17201 LAJES, AR, AZ

44-21

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
44	45*	46	48	48	50	52	57	58	57	56	50	48	45
45	46	48	48	43	47	52	53	61	56	51			
46										51	46	46	
47	40	46	49	45	45	49	57	57	53	52	54	50	42
48	46	40	46	46	51*	52	56	56	59	52	52	47	40
49	45	47	43	47	51*	54	59	58	56	50	51	42	42
50	42		47	46	48	51	57	58	56	55	45	49	
51	48	45	43	50	48	54	59	63	57	53	53	45	43
52	42	50	47	49	52	56	60	60	62	51	53	45	42
53	45	43	45	45	50	58	63	64	61	54	50	42	43
54	43	44	45	46	51	54	55	57	61	58	50	48	43
55	46	48	44	50	54	55	63	64	62	56	50	48	44
56	45	49	48	52	49	55	61	61	58	57	56	49	45
57	43	40	46	45	51	55	58	63	61	53	50	45	40
58	48	48	45	49	54	55	55	61	58	57	48	43	43
59	45	44	44	46	53	57	56	56	55	50	49	48	44
60	43	41	42	47	50	49	56	58	56	55	45	42	41
61	44	44	44	48	48	50	58	61	54	53	50	46	46
62	43	42	48	45	50	55	58	58	54	55	49	44	42
63	44	43	45	43	47	51	58	55	60	57	47	44	43
64	42	43	43	42	47	51	55	56	52	47	51	48	42
65	44	43	45	50	52	55	57	58	59	53	46	46	43
66	42	43	46	47	45	51	60	58	59	51	52	45	42
67	49	41	45	51	49	56	59	60	60	51	52	50	41
68	44	46	47	44	48	51	55	55	50	53	46	43	43
69	47	41	41	43	48	52	57	60	53	55	46	42	41
70	46	44	48	46	48	53	59	59	55	56	46	44	44
71	45*	47	45	47	47	50	56	56	58	47	49	43	43
72	43	41	45	49	49	58	61	60	53	51	53	48	41
73	46	42	44	46	48	51	57	60	57	51	51	51	42
MEAN													
S D													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
JUL 64

0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM 0-88-5 (OLA) JUL 64 # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-201 LAJES A-2 72-81 JAN

PAGE 1 0000-0200
MO 185 5 7

PSYCHROMETRIC SUMMARY

1721	LAJES AB AZ
STATION	STATION NAME

72-81

YEARS

JAN
4 24 74

PAGE 1 0900-1100
HOURS - S. T.

[illegible]

3

YEARS

STATION NAME

YEARS

JAN 1988

1200-1400
H2-85 5 7

USAFETAC FORM 0-26-3 (O A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

17201
STAT

LAJES AB AZ

STATION NAME

72-81

YEARS

JAN
1955

PAGE 1

1500-1700

1900-1901
H. R. C. S. 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
77/ 69			.1															1	1													
67/ 67			.1	.1														2	2													
66/ 65		.3	1.4	.8	.2													25	25	1												
64/ 63		1.3	4.9	6.2	.8	.2												125	125	6												
62/ 61	.1	2.7	8.9	5.7	3.1	.1												192	192	52	7											
60/ 59	.4	5.1	10.8	10.6	5.6	.5												307	307	95	72											
57/ 57	.1	1.5	4.4	6.0	3.5	.2	.1											148	148	189	83											
56/ 55		.8	1.1	4.7	2.3	.3												85	85	183	113											
54/ 53	.1	.5	.9	.3	.8													24	24	144	121											
52/ 51		.6	.6	.2	.2													16	16	113	134											
50/ 49			.1	.2														3	3	95	69											
47/ 47		.1	.1															2	2	32	82											
45/ 45																				17	120											
44/ 43																				2	57											
42/ 41																				1	37											
40/ 39																					21											
37/ 37																					6											
35/ 35																					6											
34/ 33																					2											
TOTAL	.8	12.9	33.3	35.1	16.5	1.4	.1												930		930											
																		930		930												

GLOBAL CLIMATOLOGY BRANCH
OFSETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1721 LAJES A9 A2

72-81

JAN

PAGE 1 1000-2040

11
3

11
3

JAN

YEARS

4294

Figure 1

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

PSYCHROMETRIC SUMMARY

13201
STAT

LAJES AB AZ

72-61

F E 2

PAGE 1

0000-0200

GLOBAL CLIMATOLOGY BRANCH
 CCAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17251 LAJES AB AZ
STATION STATION NAME

72-81

FF:

PAGE 1 C300-0500

[illegible]

PSYCHROMETRIC SUMMARY

13201

LAJES AB AZ

72-81

F E 4

STATION

STATION NAME

YEARS

424

PAGE 1

0600-0800

[illegible][illegible]

PSYCHROMETRIC SUMMARY

121	LAJES AP AZ
STATION	STATION NAME

72-81

FEE

PAGE 1 0920-1100

PSYCHROMETRIC SUMMARY

FF-3

PAGE 1 1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

17201	LAJES AB AZ
STATION	STATION NAME

71-80

YEAR

MAN
10/10/10

PAGE 1 0300-0500
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71-80

MAC

0600-0800

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-201 LAJES A3 A2
STATION STATION NAME

71-85

YEARS

MAR
1954

PAGE 1 1250-1400
MOORE, S. J.

[illegible]

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M A T

YEARS

1500-1700

NO. 45 S. 7.

USAFETAC FORM 0-26.3, OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

GLOBAL CLIMATOLOGY BRANCH
CAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1201 LAJES AB AZ
STATION STATION NAME

71-85

YEARS

MA 5
MA 5

PAGE 1 1800-2002
HARRIS S. T.

[illegible]

[1, 6]

[1, 6, 7]

442
WORTH

YEARS

4247

2100-2300

NO. 85 S. Y.

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MONTH

0000-0200

0000-020

[illegible]

PSYCHROMETRIC SUMMARY

APR
MONTH

MO. RS. C. S. T.

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

17201
STATION

LAJES AB AZ

STATION NAME

71-80

YEARS

APL
MAY 14

PAGE 1

0600-0000

[illegible]

PSYCHROMETRIC SUMMARY

1201 LAJES AB AZ
STATION

71-80

APR
MONTH

PAGE 1 2900-1100
FBI S. I.

[illegible]

PSYCHROMETRIC SUMMARY

17201

LAJES AB AZ

71-80

APP

PAGE 1 1200-1400

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

[illegible]

CLIMAT CLIMATOLOGY BRANCH
 METAC
 AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13211 LAJES AB AZ
STATION STATION NAME

71-85

YEARS

APC
MONT

PAGE 1 1500-1700
HOURS U.S.T.

[illegible]

PSYCHROMETRIC SUMMARY

71-80

405

STATION

STATION NAME

Y E A R S

— M. M. M.

PAGE 1

1620-2000

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

23

1

71-80

YEARS

ADP
MAY 1964

2000

USAFETAC FORM 0-26-3 OL A. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

GENERAL CLIMATOLOGY BRANCH
COMETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

LAJES AB A2

71-80

MAY
1954

PAGE 1

0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	L	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67			.2															2	2																
65		1.3	3.2	.4														46	46	6															
63	.4	9.9	4.9	.9		.1												151	151	37	30														
61	1.0	6.0	8.9	1.8	.4													169	169	135	69														
59	.5	6.3	10.5	4.9	.9													216	216	127	116														
57	.2	5.9	5.9	4.6	1.3													167	167	143	118														
55		3.7	3.1	2.5	.4													90	90	163	126														
53	.5	1.7	3.2	.5	.4													60	60	127	112														
51	.2	.5	1.6	.1														23	23	90	119														
49			.5															5	5	69	62														
47			.1															1	1	24	66														
45																				9	50														
43																					30														
41																					28														
39																					3														
37																					1														
TOTAL	2.9	35.4	2.4	15.8	3.4	.1												930		930	930														

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ

71-80

MAY

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
67/ 67		.1	.3	.1														5	5	1															
66/ 65		.9	1.9	.3	.1													30	30	6	1														
64/ 63	.3	10.7	5.1	2.0														168	168	24	24														
62/ 61	1.4	4.7	7.6	.6	.1													135	135	135	77														
60/ 59	.5	6.5	10.2	4.6	.5													208	208	115	97														
58/ 57	.2	6.8	4.8	2.7	1.7													151	151	145	106														
56/ 55	.9	4.8	2.9	2.9	.5													112	112	168	139														
54/ 53	.2	2.3	3.2	1.1	.3													66	67	121	124														
52/ 51		1.4	1.7	.2														31	31	76	95														
50/ 49		.4	.8	.2														13	13	80	76														
48/ 47		.2	.6															8	8	37	51														
46/ 45		.1	.1															2	2	16	56														
44/ 43																					3	40													
42/ 41																						34													
40/ 39																						7													
38/ 37																						2													
TOTAL	3.6	38.9	39.4	14.9	3.3														929	929	929	929													

3

222

MAY
MINN

STATION NAME

YEARS

PAGE 1 09CD-1143
HARRIS

USAFETAC FORM 0-26-3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

71-8C

YEARS

MAY
MONTH

1830-2000

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ

71-80

MAY

PAGE 1 2100-2300
HOURS S. T.

[illegible]

PSYCHROMETRIC SUMMARY

1251
STATION

LAJES AP AZ

STATION NAME

71-80

YEARS

MAY
2024

PAGE 1



MOAS L. S. T.

[illegible]

PSYCHROMETRIC SUMMARY

1721

LAJES AB AZ

71-80

442

STATION

STATION NAME

YEARS

4242

PAGE 1

0000-0244

00000-020
H2 H2 S 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/69		1.0	2.9	.3														38	38	2	2														
69/67		.4	2.0	1.3	.3													37	37	12	19														
68/65		.8	7.0	8.7	1.2													159	159	59	125														
64/63	3.1	17.4	9.8	4.1	.4													314	314	151	129														
62/61	1.2	6.2	5.4	2.0	.8													141	141	257	235														
61/59	.2	3.6	6.9	2.0	.6													119	119	142	117														
57/57	.4	1.7	1.7	.9	.6													47	47	111	88														
56/55		2.0	.7	.1														25	25	74	66														
54/53		.7	.3															9	9	49	53														
52/51	.2	.4	.4															10	10	26	23														
49/49																				10	13														
47/47			.1															1	1	4	9														
46/45																				1	1														
44/43																																			
42/41																																			
TOTAL	6.0	40.4	38.9	12.0	2.7													900	900	900	900														

YEARS

0300-0500
HRS S.

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

GENERAL CLIMATOLOGY BRANCH
MACFETAC
AT: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ 71-80

PAGE 1 0900-1100

[illegible]

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ 71-80 JUN 1964
STATION MONTH
PAGE 1 1200-1400
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
77 / 77					.4	.6	.4											13	13																
76 / 75				.4	1.6	.2	.3											25	25																
74 / 73		.3	.1	3.4	2.3	.7	.2											64	64																
72 / 71		.6	2.8	6.3	8.6	.8	.1	.1										175	175	7															
70 / 69		1.1	9.2	6.7	6.0	1.4												220	220	20	7														
68 / 67	.1	.4	5.1	4.0	3.2	1.3												128	128	110	13														
66 / 65		3.1	3.7	5.4	2.7	.8	.2											139	139	188	45														
64 / 63	.3	3.6	1.6	4.2	1.9	.3												107	107	246	172														
62 / 61	.1	.4	.7	.6	.2	.1												20	20	134	173														
60 / 59		.6	.2	.1														8	8	108	189														
58 / 57			.1															1	1	62	95														
56 / 55																				21	93														
54 / 53																				3	57														
52 / 51																				1	30														
50 / 49																					15														
48 / 47																					5														
46 / 45																					4														
44 / 43																					1														
42 / 41																					1														
TOTAL	.6	10.1	23.4	31.2	27.0	6.2	1.3	.1										900	900	900	900														
Element (X)	$\Sigma x'$			Σx			\bar{x}			σ_x			No. Obs.			Mean No. of Hours with Temperature						Total													
Rel. Hum.	4900121			65777			73.110.158			900			$\leq 0 F$			$\leq 32 F$			$\leq 67 F$			$\leq 73 F$			$\leq 80 F$			$\leq 93 F$			Total				
Dry Bulb	4250265			61781			68.63.331			900									62.5			10.2									90				
Wet Bulb	3602130			56864			63.23.223			900									13.7												91				
Dew Point	3205694			53568			59.54.390			900									2.0												90				

६०५

YEARS

71-85

2000

PAGE 1 1500-1700

USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

25

JUN
1954

YEARS

NO. 95 S. 7.

USAFETAC FORM 0-26-3 OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
(JUN 71)

CLIMAT CLIMATOLOGY BRANCH
MACFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ
STATION STATION NAME

71-80

YEAR

JUN 1997

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71			.8															7	7																
71/ 69		1.1	3.7	2.3	.2													66	66	2															
69/ 67	.7	1.2	8.4	4.3	.1													133	133	34	13														
65/ 65	1.1	9.8	11.2	2.0														217	217	72	39														
63/ 63	2.0	11.2	9.0	4.0	.8													251	251	258	146														
61/ 61	.7	3.4	5.8	2.9	.8													122	122	216	157														
59/ 59		1.6	3.2	1.7	.4	.2												64	64	118	206														
57/ 57		.9	.9	.4	.3													23	23	93	114														
55/ 55		.7	.7															12	12	59	72														
53/ 53		.2	.1															3	3	25	65														
51/ 51		.1	.1															2	2	16	36														
49/ 49																				5	29														
47/ 47																					10														
45/ 45																					5														
43/ 43																					3														
41/ 41																					2														
TOTAL	5.3	30.2	43.9	17.7	2.7	.2												900		900	900														

PSYCHROMETRIC SUMMARY

13201
STAT

LAJES A8 AZ

71-80

JUL
MON

PAGE 1

0000-0000

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
77 / 77				.1														1	1																
76 / 75			.9	.2	.2													12	12																
74 / 73		.3	.6	2.8	.2													37	37																
72 / 71	.3	1.3	5.7	2.2	.6													94	94	22	1														
70 / 69	.1	3.0	9.5	1.8	.3													137	137	35	20														
68 / 67		1.4	10.3	3.7	.2													145	145	122	34														
66 / 65	.1	8.7	7.2	2.6	.3													176	176	180	84														
64 / 63	.8	9.6	5.9	2.7	.6	.3												186	186	186	232														
62 / 61	.5	5.5	2.8	.2														84	84	192	157														
60 / 59	.2	2.3	2.3	.1														46	46	104	217														
58 / 57		1.2																11	11	68	85														
56 / 55		.1																1	1	20	52														
54 / 53																				1	29														
52 / 51																					13														
50 / 47																					3														
TOTAL	2.2	33.3	45.2	16.3	2.7	.3													930		930														
																		930		930															

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6495145	77395	83.2	7.645	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	4123754	61830	66.5	3.749	930			42.6	5.0			93
Wet Bulb	3738874	58878	63.3	3.492	930			17.9				93
Dew Point	3500918	56940	61.2	3.981	930			5.7				93

PSYCHROMETRIC SUMMARY

1321

LAJES AB AZ

71-80

4444

STATION

STATION NAME

YEARS

505
506

PAGE 1

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57-95

[illegible]

PSYCHROMETRIC SUMMARY

13201

LAJES AB A2

71-80

444

PAGE 1

1500-1700
HOURS

[illegible]

GLOBAL CLIMATOLOGY BRANCH
CMAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1201 STATION LAJES AB AZ STATION NAME

71-812

YEARS

JUL
MON

PAGE 1 1820-2010
-3.5 C.S.V.

[illegible]

2.]

JUL
1954

YEARS

HO, 25 S. 1.

USAFETAC FORM 0-26.3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMAR

1721 LAJES DE AZ
STATION STATION NAME

71-60

July

PAGE 1

ALL

ALL -

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.														
4/ 83							.0											1	1																
5/ 81				.1	.2	.1	.1	.0										36	33																
6/ 79				.2	.6	.5	.0	.0										96	96																
7/ 77			.1	1.5	2.7	1.3	.3		.0									436	436																
8/ 75		.1	.6	2.6	2.9	.8	.0											522	522	7															
9/ 73	.0	.7	1.6	5.4	2.8	.9	.1											845	845	64															
10/ 71	.1	1.3	5.4	4.1	4.1	.7												1166	1166	355	4														
11/ 69	.1	2.1	8.7	4.1	3.2	.7												1408	1408	699	24														
12/ 67	.0	1.0	6.7	2.4	1.7	.3	.0											901	901	1370	49														
13/ 65	.2	4.7	4.2	2.5	.5	.0												893	893	1562	83														
14/ 63	.4	4.7	2.4	1.3	.3	.1												678	678	1470	184														
15/ 61	.2	1.9	1.1	.1	.0													245	245	1084	129														
16/ 59	.1	1.1	.7	.1														153	153	513	138														
17/ 57	.0	.5	.0															41	41	227	63														
18/ 55	.0	.2																15	15	76	39														
19/ 53		.0																1	1	21	18														
20/ 51																					1														
21/ 49																					1														
22/ 47																					1														
TOTAL	1.11	.33	1.52	4.21	8.3	5.4	.5	.0	.0									7439	7439	7439	7439														

GLOBAL CLIMATOLOGY BRANCH
CMFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1721 LAJES AB AZ

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U.S. NATIONAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

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LAJES AB AZ

STATION NAME

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PSYCHROMETRIC SUMMARY

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STATION STATION NAME YEARS MONTH
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PSYCHROMETRIC SUMMARY

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LAJES AB AZ

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1221	LAJES AB AZ
STATION	STATION NAME

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PSYCHROMETRIC SUMMARY

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(JUN 71)

GLOBAL CLIMATOLOGY BRANCH
HAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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STATION NAME

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JUN 71

PSYCHROMETRIC SUMMARY

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LAJES AB AZ

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PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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STATION NAME

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YEARS

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PSYCHROMETRIC SUMMARY

172.1 LAJES AB AZ

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PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0-26-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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LAJES AB AZ

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GLOBAL CLIMATOLOGY BRANCH
CM AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

1-2-1 LAJES AB AZ
STATION STATION NAME

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
LAJES AB, AZORES. REVISED UNIFORM SUMMARY OF SURFACE WEATHER OB--ETC(U)
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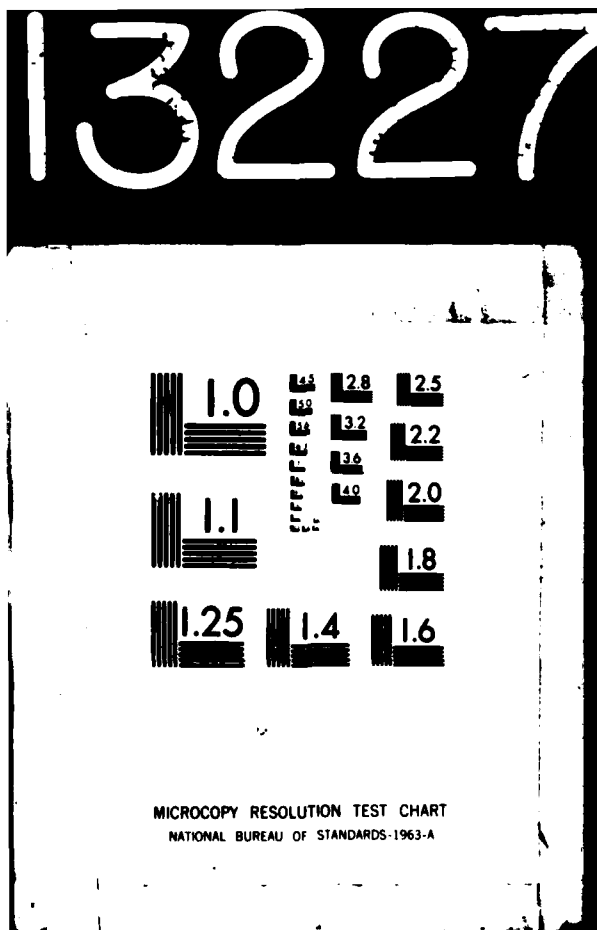
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PSYCHROMETRIC SUMMARY

71-80

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STATION NAME

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GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ

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GENERAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201
STATION

LAJES AB AZ

STATION NAME

71-80

YEARS

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2100-2300
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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
74/ 73			.1															1	1								
72/ 71			.9	.6														13	13	1							
70/ 69		.1	2.4	.1	.1													25	25	1	1						
68/ 67		1.4	7.4	2.3	.6													106	106	14	3						
66/ 65	.6	7.0	5.2	2.0	.2													144	144	89	30						
64/ 63	1.0	8.6	6.1	5.6	.8	.1												199	199	139	111						
62/ 61	.3	4.0	5.3	5.2	1.0	.2												145	145	149	109						
60/ 59	.1	3.0	5.6	3.9	2.2	.3												136	136	102	132						
58/ 57		1.1	2.6	2.0	.4													55	55	134	76						
56/ 55		.9	1.6	.7														28	28	109	108						
54/ 53		1.3	1.2	.2														25	25	60	90						
52/ 51		.6	1.0															14	14	59	83						
50/ 49		.6	.4															9	9	33	52						
48/ 47																				8	47						
46/ 45																				2	40						
44/ 43																					12						
42/ 41																					4						
40/ 39																					2						
TOTAL	2.02	8.64	0.92	2.6	5.3	.7												900	900	900	900						

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PSYCHROMETRIC SUMMARY

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LAJES AB AZ

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PSYCHROMETRIC SUMMARY

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LAJES AB AZ

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17201 LAJES AB AZ
STATION STATION NAME

71-81

YEARS

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GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1721 LAJES AB AZ

71-81

STATION		STATION NAME												YEARS											
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
0-02	MEAN	56.3	55.5	56.0	56.8	59.3	62.8	66.5	68.1	67.3	64.1	61.9	59.7	61.1											
	S D	4.316	4.585	4.375	3.550	3.703	3.544	3.749	3.950	4.004	4.338	4.385	4.199	6.006											
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	930	10959											
3-05	MEAN	56.0	55.4	55.6	56.4	58.8	62.3	65.9	67.5	66.9	63.8	61.6	58.6	60.8											
	S D	4.324	4.592	4.103	3.665	4.039	3.778	4.037	4.343	4.028	4.454	4.384	4.125	6.019											
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	930	10959											
6-07	MEAN	56.0	55.1	55.6	57.1	60.2	63.7	67.5	68.8	67.4	63.7	61.6	58.3	61.3											
	S D	4.386	4.823	4.152	3.374	3.758	3.385	3.826	4.255	3.980	4.540	4.380	4.420	6.286											
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	899	930	10958											
9-11	MEAN	57.9	57.3	58.6	60.1	63.8	67.2	71.6	73.6	71.9	67.2	64.2	60.1	64.5											
	S D	3.689	3.992	3.544	2.931	3.750	3.217	3.339	3.312	3.367	3.713	3.494	3.886	6.583											
	TOTAL OBS	930	849	929	900	930	900	930	930	899	930	900	930	10957											
12-14	MEAN	59.9	59.2	60.4	61.6	65.1	68.6	73.1	75.2	73.4	68.8	65.7	61.9	66.1											
	S D	3.260	3.744	3.498	2.941	3.705	3.331	3.507	3.531	3.487	3.676	3.327	3.459	6.465											
	TOTAL OBS	930	849	930	900	930	900	930	930	900	929	900	927	10955											
15-17	MEAN	59.5	58.6	59.9	61.1	64.8	68.4	73.0	74.8	72.8	68.0	64.8	61.1	65.6											
	S D	3.197	3.801	3.569	2.987	3.653	3.388	3.433	3.416	3.437	3.562	3.368	3.498	6.491											
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	900	927	10956											
18-20	MEAN	57.4	56.6	57.9	59.1	62.5	66.5	70.8	72.2	70.1	65.4	62.7	59.3	63.4											
	S D	3.677	3.945	3.658	2.958	3.500	3.102	3.198	3.076	3.255	3.872	3.832	3.762	6.360											
	TOTAL OBS	930	848	929	900	930	900	930	930	900	930	900	926	10953											
21-23	MEAN	56.9	56.1	56.9	57.7	60.6	64.3	67.9	69.6	68.3	64.6	62.5	59.1	62.1											
	S D	4.146	4.295	3.972	3.293	3.486	3.191	3.307	3.448	3.765	4.234	4.243	3.981	5.997											
	TOTAL OBS	930	847	928	900	930	900	929	930	900	930	900	928	10952											
ALL HOURS	MEAN	57.5	56.7	57.6	58.7	61.9	65.5	69.5	71.2	69.8	65.7	63.1	59.6	63.1											
	S D	4.145	4.469	4.226	3.740	4.370	4.109	4.488	4.691	4.432	4.479	4.214	4.106	6.581											
	TOTAL OBS	7440	6789	7436	7200	7440	7200	7439	7440	7199	7439	7199	7428	87649											

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT: WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1721 LAJES AB AZ

71-81

STATION		STATION NAME												YEARS	
HRS	LIST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	52.0	52.2	52.9	53.8	56.2	60.0	63.3	64.6	63.7	60.5	58.5	55.0	57.8	
	S.D.	4.497	5.174	4.465	4.100	4.229	3.823	3.492	3.951	4.097	4.768	4.863	4.539	6.166	
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	899	930	10958	
3-05	MEAN	52.6	52.3	52.6	53.5	55.8	59.6	62.9	64.1	63.5	60.1	58.3	55.0	57.5	
	S.D.	4.576	5.158	4.510	4.079	4.482	4.023	3.721	4.233	4.145	4.884	4.812	4.528	6.177	
	TOTAL OBS	930	849	930	900	929	900	930	930	900	930	900	930	10958	
6-08	MEAN	52.5	52.1	52.6	53.9	56.8	60.6	63.9	65.0	63.8	60.0	58.2	54.8	57.9	
	S.D.	4.506	5.179	4.579	3.955	4.272	3.690	3.498	4.070	4.112	4.938	4.870	4.723	6.336	
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	899	930	10958	
9-11	MEAN	53.9	53.5	54.5	55.8	58.8	62.4	65.9	67.4	66.1	62.2	59.9	56.1	59.7	
	S.D.	4.114	4.613	4.224	3.545	4.089	3.300	3.150	3.562	3.632	4.421	4.305	4.417	6.249	
	TOTAL OBS	930	849	929	900	930	900	930	930	899	930	900	930	10957	
12-14	MEAN	55.1	54.5	55.6	56.7	59.5	63.2	66.6	68.1	66.7	62.9	60.6	57.1	60.6	
	S.D.	3.840	4.419	4.120	3.404	3.932	3.223	3.238	3.637	3.658	4.376	4.181	4.076	6.054	
	TOTAL OBS	930	849	930	900	930	900	930	930	900	929	900	927	10955	
15-17	MEAN	54.8	54.1	55.4	56.4	59.3	63.1	66.4	67.8	66.3	62.4	60.1	56.7	60.3	
	S.D.	3.897	4.447	4.156	3.478	3.936	3.230	3.180	3.599	3.633	4.358	4.083	4.094	6.078	
	TOTAL OBS	930	849	930	900	930	900	930	930	900	929	900	927	10955	
18-20	MEAN	53.6	52.9	54.2	55.1	58.1	62.1	65.4	66.8	65.1	61.3	59.0	55.6	59.1	
	S.D.	4.224	4.648	4.239	3.527	3.909	3.279	3.076	3.450	3.735	4.519	4.381	4.273	6.173	
	TOTAL OBS	930	848	929	900	930	900	930	930	900	930	900	926	10953	
21-23	MEAN	53.3	52.7	53.7	54.5	57.2	61.1	64.3	65.7	64.3	60.9	59.0	55.5	58.9	
	S.D.	4.535	4.948	4.487	3.828	4.147	3.549	3.264	3.693	3.988	4.663	4.680	4.413	6.150	
	TOTAL OBS	930	847	928	900	930	900	929	930	900	930	900	928	10952	
ALL HOURS	MEAN	53.6	53.0	53.9	55.0	57.7	61.5	64.8	66.2	64.9	61.3	59.2	55.7	58.9	
	S.D.	4.374	4.907	4.492	3.914	4.338	3.755	3.590	4.042	4.064	4.730	4.610	4.455	6.269	
	TOTAL OBS	7440	6789	7436	7200	7439	7200	7439	7440	7199	7438	7198	7428	87646	

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1721 LAJES AB AZ

71-81

STATION		STATION NAME												YEARS
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	49.7	49.2	50.2	51.2	53.7	57.9	61.2	62.4	61.4	57.8	55.8	52.0	55.2
	S.D.	5.714	6.515	5.549	5.220	5.302	4.645	3.981	4.721	4.914	5.951	5.947	5.671	7.109
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	899	930	10958
3-05	MEAN	49.5	49.3	49.9	51.0	53.3	57.6	60.9	61.9	61.2	57.4	55.7	51.8	55.0
	S.D.	5.839	6.466	5.630	5.091	5.515	4.802	4.133	4.889	4.954	6.071	5.905	5.783	7.116
	TOTAL OBS	930	849	930	900	929	900	930	930	900	930	900	930	10959
6-08	MEAN	49.4	49.2	49.9	51.3	54.1	58.3	61.6	62.7	61.4	57.3	55.5	51.8	55.2
	S.D.	5.618	6.322	5.751	5.123	5.451	4.658	4.055	4.760	5.003	6.126	6.087	5.842	7.242
	TOTAL OBS	930	849	930	900	930	900	930	930	900	930	899	930	10958
9-11	MEAN	50.4	50.1	51.0	52.1	55.0	59.1	62.4	63.7	62.6	58.6	56.6	52.7	56.2
	S.D.	5.515	6.011	5.780	5.007	5.446	4.537	4.107	4.752	4.893	6.062	5.865	5.778	7.192
	TOTAL OBS	930	849	929	900	930	900	930	930	899	930	900	930	10957
12-14	MEAN	51.0	50.5	51.6	52.6	55.3	59.5	62.7	64.0	62.6	58.8	56.8	53.2	56.6
	S.D.	5.411	6.040	5.697	4.845	5.287	4.390	4.189	4.775	4.908	6.077	5.927	5.583	7.072
	TOTAL OBS	930	849	930	900	930	900	930	930	900	929	900	927	10955
15-17	MEAN	50.8	50.2	51.6	52.4	55.1	59.5	62.5	63.9	62.5	58.5	56.6	53.0	56.4
	S.D.	5.466	5.973	5.646	4.864	5.255	4.378	4.047	4.719	4.917	6.071	5.594	5.445	7.034
	TOTAL OBS	930	849	930	900	930	900	930	930	900	929	900	927	10955
18-20	MEAN	50.2	49.5	51.1	51.9	54.6	59.1	62.1	63.6	62.0	58.2	56.2	52.5	55.9
	S.D.	5.661	6.154	5.509	4.740	5.145	4.377	3.927	4.547	4.939	5.870	5.513	5.466	7.048
	TOTAL OBS	930	848	929	900	930	900	930	930	900	930	900	926	10953
21-23	MEAN	50.2	49.6	50.9	51.8	54.4	58.9	62.0	63.3	61.8	58.2	56.3	52.5	55.9
	S.D.	5.832	6.374	5.670	4.886	5.330	4.436	3.956	4.555	4.953	5.811	5.731	5.609	7.098
	TOTAL OBS	930	847	928	900	930	900	929	930	900	930	900	926	10952
ALL HOURS	MEAN	50.2	49.7	50.8	51.8	54.4	58.7	61.9	63.2	61.9	58.1	56.2	52.5	55.8
	S.D.	5.656	6.249	5.689	5.001	5.380	4.580	4.092	4.767	4.963	6.025	5.839	5.669	7.135
	TOTAL OBS	7440	6789	7436	7200	7439	7200	7439	7440	7199	7438	7198	7428	87646

3
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13201 LAJES AB AZ 72-81 JAN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	99.1	94.1	81.4	44.6	15.5	74.1	930
	03-05	100.0	100.0	100.0	100.0	99.4	95.1	82.5	46.6	16.9	79.4	930
	06-08	100.0	100.0	100.0	100.0	99.6	94.4	81.5	42.4	15.5	79.0	930
	09-11	100.0	100.0	100.0	100.0	99.5	92.3	74.0	34.8	10.4	76.7	930
	12-14	100.0	100.0	100.0	100.0	99.2	85.2	61.6	23.2	5.3	72.9	930
	15-17	100.0	100.0	100.0	99.9	99.4	88.3	64.8	22.8	4.2	73.4	930
	18-20	100.0	100.0	100.0	100.0	99.5	93.4	76.3	37.0	9.1	77.3	930
	21-23	100.0	100.0	100.0	100.0	99.6	93.2	80.9	41.9	12.4	78.5	930
TOTALS		100.0	100.0	100.0	100.0	99.4	92.0	75.4	36.7	11.2	77.0	7440

FEB
MONTH

0-87-5 (OL A)

3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13201 LAJES AB AZ

71-80

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	100.0	98.0	87.7	50.0	19.2	81.3	930
	03-05	100.0	100.0	100.0	100.0	100.0	98.0	89.5	52.5	17.8	81.5	930
	06-08	100.0	100.0	100.0	100.0	99.9	97.6	87.4	52.6	19.5	81.4	930
	09-11	100.0	100.0	100.0	100.0	99.6	90.9	72.8	32.5	10.3	76.3	929
	12-14	100.0	100.0	100.0	100.0	99.7	85.5	61.2	22.5	7.4	73.3	930
	15-17	100.0	100.0	100.0	100.0	99.7	89.5	64.3	27.4	6.3	74.4	930
	18-20	100.0	100.0	100.0	100.0	100.0	97.6	80.9	36.3	12.3	76.4	929
	21-23	100.0	100.0	100.0	100.0	100.0	98.1	87.6	47.8	15.3	80.6	928
TOTALS		100.0	100.0	100.0	100.0	99.9	94.4	78.9	40.2	13.8	76.4	7436

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

132.1
STATION

LAJES AB AZ

STATION NAME

71-80

PERIOD

APR
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	100.0	97.8	89.4	56.2	18.7	41.8	900
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	91.6	56.8	21.1	82.4	900
	06-08	100.0	100.0	100.0	99.9	99.8	98.4	89.6	51.7	17.8	81.2	900
	09-11	100.0	100.0	100.0	100.0	99.9	92.7	68.2	26.1	8.3	75.2	900
	12-14	100.0	100.0	100.0	100.0	100.0	87.1	56.4	19.7	6.4	72.8	900
	15-17	100.0	100.0	100.0	100.0	100.0	91.3	60.4	21.3	6.7	73.6	900
	18-20	100.0	100.0	100.0	100.0	100.0	97.4	79.1	32.7	9.8	77.4	900
	21-23	100.0	100.0	100.0	100.0	99.9	99.3	89.7	50.6	14.1	80.9	900
TOTALS		100.0	100.0	100.0	100.0	100.0	95.4	78.1	39.4	12.9	78.2	7200

RELATIVE HUMIDITY

2001
STATION

LAJES AB AZ

STATION NAME

71-80

PERIOD

4 A Y
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	0-02	100.0	100.0	100.0	100.0	100.0	98.1	90.3	55.1	19.0	21.8	930
	03-05	100.0	100.0	100.0	100.0	100.0	98.1	89.6	56.0	20.5	22.2	929
	06-08	100.0	100.0	100.0	99.9	99.8	97.6	85.5	50.2	16.6	20.6	930
	09-11	100.0	100.0	100.0	100.0	99.5	88.4	61.2	26.1	5.9	23.6	930
	12-14	100.0	100.0	100.0	100.0	99.1	84.2	50.3	17.7	3.1	21.0	930
	15-17	100.0	100.0	100.0	100.0	99.8	84.6	51.3	17.5	1.7	21.3	930
	18-20	100.0	100.0	100.0	100.0	100.0	94.2	70.6	29.2	5.9	25.0	930
	21-23	100.0	100.0	100.0	100.0	100.0	97.7	87.3	50.0	12.8	20.4	930
TOTALS		100.0	100.0	100.0	100.0	99.8	92.9	73.3	37.7	10.7	27.1	7439

RELATIVE HUMIDITY

13201 LAJES AB AZ
STATION

STATION NAME

71-82

PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	99.0	93.8	67.9	23.1	84.1	900
	03-05	100.0	100.0	100.0	100.0	100.0	98.9	94.0	69.3	26.7	84.6	900
	06-08	100.0	100.0	100.0	100.0	100.0	98.6	89.6	62.1	21.7	82.3	900
	09-11	100.0	100.0	100.0	100.0	99.6	93.6	68.0	32.8	11.1	75.8	900
	12-14	100.0	100.0	100.0	99.9	99.3	91.7	58.0	22.7	6.4	73.1	900
	15-17	100.0	100.0	100.0	100.0	99.6	90.7	60.7	26.3	5.3	71.7	900
	18-20	100.0	100.0	100.0	100.0	100.0	96.1	75.7	37.4	10.0	77.4	900
	21-23	100.0	100.0	100.0	100.0	100.0	99.1	93.3	62.0	19.0	82.3	900
TOTALS		100.0	100.0	100.0	100.0	99.8	96.0	79.1	47.6	15.4	79.3	7200

USAFETAC

FORM
1135-A-4

0-87-5 (OL A)

RELATIVE HUMIDITY

172 1 LAJES AB AZ
STATION

STATION NAME

71-90

PERIOD

JUL
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.5	95.1	68.8	15.6	83.2	930
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	94.8	70.0	20.8	83.9	936
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	89.5	58.8	14.6	81.6	930
	09-11	100.0	100.0	100.0	100.0	99.9	92.7	58.7	21.8	3.1	73.1	930
	12-14	100.0	100.0	100.0	99.9	99.8	88.0	45.1	13.2	1.8	70.1	930
	15-17	100.0	100.0	100.0	100.0	99.7	90.0	45.6	13.2	.6	70.0	930
	18-20	100.0	100.0	100.0	100.0	100.0	96.8	65.5	24.0	2.0	74.2	930
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	91.6	57.8	11.5	81.5	929
TOTALS		100.0	100.0	100.0	100.0	99.9	95.7	73.2	41.0	3.8	77.2	7439

RELATIVE HUMIDITY

13211	LAJES AB AZ	71-80	SEP
STATION	STATION NAME	PERIOD	MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10°	20°	30°	40°	50°	60°	70°	80°	90°		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	98.2	88.4	60.1	13.4	81.5	900
	03-05	100.0	100.0	100.0	100.0	99.9	98.7	88.9	61.9	16.9	82.0	900
	06-08	100.0	100.0	100.0	100.0	99.8	97.2	87.2	58.4	13.8	81.2	900
	09-11	100.0	100.0	100.0	100.0	99.3	89.5	58.7	22.6	2.3	72.9	899
	12-14	100.0	100.0	100.0	100.0	98.2	81.4	41.9	13.6	1.7	69.3	900
	15-17	100.0	100.0	100.0	100.0	98.6	85.0	46.4	15.4	1.8	70.4	900
	18-20	100.0	100.0	100.0	100.0	100.0	94.6	73.3	33.2	2.4	75.7	900
	21-23	100.0	100.0	100.0	100.0	99.9	97.8	84.0	54.6	6.9	79.9	900
TOTALS		100.0	100.0	100.0	100.0	99.5	92.8	71.1	40.0	7.4	76.6	7199

RELATIVE HUMIDITY

1321
STATION

LAJES AB AZ

STATION NAME

71-82

PERIOD

OCT
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.4	95.8	83.0	52.6	18.1	80.3	930
	03-05	100.0	100.0	100.0	99.8	99.6	95.7	81.5	53.5	19.0	80.2	930
	06-08	100.0	100.0	100.0	100.0	99.7	94.1	62.3	51.1	18.8	80.1	930
	09-11	100.0	100.0	100.0	100.0	98.5	86.2	64.9	34.0	8.6	74.6	930
	12-14	100.0	100.0	100.0	99.9	97.2	80.4	51.8	22.0	4.7	71.0	929
	15-17	100.0	100.0	100.0	100.0	97.7	82.9	57.2	25.1	4.1	72.2	929
	18-20	100.0	100.0	100.0	100.0	99.8	94.0	78.5	43.4	10.9	77.9	930
	21-23	100.0	100.0	100.0	100.0	100.0	96.0	84.3	51.0	16.2	80.1	930
TOTALS		100.0	100.0	100.0	100.0	99.0	90.6	72.9	41.6	12.6	77.1	7439

RELATIVE HUMIDITY

132.1
STATION

LAJES AB AZ

STATION NAME

71-80

PERIOD

NOV
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.8	95.6	86.3	54.2	15.9	80.7	899
	03-05	100.0	100.0	100.0	100.0	99.6	96.1	86.1	55.3	19.6	81.1	900
	06-08	100.0	100.0	100.0	100.0	99.6	95.6	84.1	55.3	17.8	80.7	899
	09-11	100.0	100.0	100.0	100.0	99.2	91.8	72.6	40.7	11.9	77.0	900
	12-14	100.0	100.0	100.0	99.9	99.3	86.3	59.1	31.4	6.6	73.6	900
	15-17	100.0	100.0	100.0	100.0	99.4	90.8	68.0	34.4	6.1	75.1	900
	18-20	100.0	100.0	100.0	100.0	99.8	97.4	84.2	48.6	12.0	79.5	900
	21-23	100.0	100.0	100.0	100.0	99.6	96.7	87.1	51.8	16.0	80.4	900
TOTALS		100.0	100.0	100.0	100.0	99.4	93.8	78.4	46.5	13.2	79.5	7198

GLOBAL CLIMATOLOGY BRANCH
ISAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

17201
STATION

LAJES A3 A7

STATION NAME

71-63

PERIOD

DEC
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
D F C	00-02	100.0	100.0	100.0	100.0	100.0	95.6	79.6	45.2	12.6	78.8	930
	03-05	100.0	100.0	100.0	100.0	100.0	92.9	78.9	44.9	15.3	76.7	930
	06-08	100.0	100.0	100.0	100.0	99.8	94.8	80.8	47.1	15.9	79.4	930
	09-11	100.0	100.0	100.0	100.0	99.7	92.6	74.4	37.4	10.4	77.0	930
	12-14	100.0	100.0	100.0	100.0	100.0	87.6	60.0	26.9	6.7	73.8	927
	15-17	100.0	100.0	100.0	100.0	100.0	92.8	69.5	30.4	6.9	75.2	927
	18-20	100.0	100.0	100.0	100.0	99.9	96.9	81.2	42.5	9.7	78.4	926
	21-23	100.0	100.0	100.0	100.0	99.9	96.0	82.0	46.4	11.1	79.0	926
TOTALS		100.0	100.0	100.0	100.0	99.9	93.7	75.8	40.1	11.1	77.5	7428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

132-1
STATION

LAJES AB AZ

STATION NAME

71-81

PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.4	92.0	75.4	36.7	11.2	77.0	7440
FEB		100.0	100.0	100.0	100.0	99.8	93.7	75.9	39.8	13.3	77.6	6789
MAR		100.0	100.0	100.0	100.0	99.9	94.4	78.9	40.2	13.8	76.4	7436
APR		100.0	100.0	100.0	100.0	100.0	95.4	78.1	39.4	12.9	76.2	7200
MAY		100.0	100.0	100.0	100.0	99.8	92.9	73.3	37.7	10.7	77.1	7439
JUN		100.0	100.0	100.0	100.0	99.8	96.0	79.1	47.6	15.4	79.3	7200
JUL		100.0	100.0	100.0	100.0	99.9	95.7	73.2	41.0	8.8	77.2	7439
AUG		100.0	100.0	100.0	100.0	99.6	93.0	69.3	39.4	7.4	76.2	7440
SEP		100.0	100.0	100.0	100.0	99.5	92.8	71.1	40.0	7.4	76.6	7199
OCT		100.0	100.0	100.0	100.0	99.0	90.6	72.9	41.6	12.6	77.1	7438
NOV		100.0	100.0	100.0	100.0	99.4	93.8	78.4	46.5	13.2	78.5	7198
DEC		100.0	100.0	100.0	100.0	99.9	93.7	75.8	40.1	11.1	77.5	7428
TOTALS		100.0	100.0	100.0	100.0	99.7	93.7	75.1	40.8	11.5	77.6	87646

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

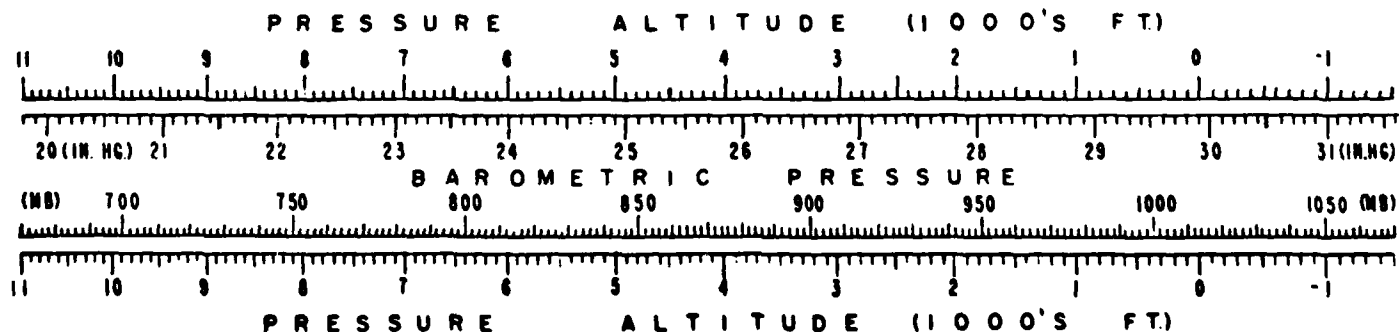
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESURE IN INCHES HG FROM HOURLY OBSERVATIONS

1721 LAJES AB AZ

71-81

STATION	STATION NAME	YEARS												
HRS LST	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP	OCT	NOV.	DEC	ANNUAL	
MEAN	29.957	29.872	29.944	29.939	29.994	30.054	30.064	30.003	29.951	29.895	29.945	29.922	29.962	
S.D.	.308	.374	.280	.249	.190	.187	.154	.154	.187	.220	.269	.303	.253	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653	
MEAN	29.946	29.848	29.925	29.921	29.976	30.038	30.047	29.986	29.935	29.880	29.933	29.912	29.946	
S.D.	.307	.379	.277	.248	.189	.186	.154	.154	.187	.223	.270	.307	.254	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653	
MEAN	29.959	29.865	29.943	29.940	30.000	30.059	30.067	30.005	29.952	29.894	29.947	29.925	29.964	
S.D.	.304	.376	.275	.247	.186	.186	.155	.154	.186	.223	.270	.305	.253	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653	
MEAN	29.993	29.891	29.963	29.956	30.011	30.070	30.076	30.017	29.973	29.915	29.972	29.957	29.983	
S.D.	.302	.376	.277	.246	.186	.185	.156	.154	.184	.225	.274	.302	.252	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653	
MEAN	29.949	29.869	29.943	29.945	30.007	30.065	30.072	30.010	29.960	29.893	29.937	29.914	29.964	
S.D.	.305	.371	.275	.249	.184	.187	.155	.155	.182	.222	.274	.302	.253	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	309	3652	
MEAN	29.948	29.860	29.930	29.929	29.997	30.056	30.062	29.996	29.945	29.886	29.937	29.913	29.955	
S.D.	.307	.365	.273	.250	.183	.186	.153	.153	.183	.219	.266	.299	.251	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	309	3652	
MEAN	29.967	29.882	29.947	29.939	30.005	30.061	30.067	30.003	29.960	29.903	29.956	29.930	29.969	
S.D.	.310	.365	.274	.255	.181	.186	.151	.152	.184	.218	.267	.301	.251	
TOTAL OBS	310	283	310	300	310	300	310	310	300	310	300	309	3652	
MEAN	29.975	29.893	29.963	29.956	30.021	30.078	30.084	30.019	29.972	29.914	29.965	29.942	29.982	
S.D.	.311	.368	.277	.251	.183	.184	.150	.153	.187	.218	.268	.301	.252	
TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
ALL HOURS	MEAN	29.962	29.872	29.945	29.941	30.001	30.060	30.067	30.005	29.956	29.898	29.949	29.927	29.966
	S.D.	.307	.372	.276	.249	.185	.186	.154	.154	.185	.221	.270	.303	.253
	TOTAL OBS	2480	2263	2480	2400	2480	2400	2480	2400	2480	2400	2477	29220	

GENERAL CLIMATOLOGY BRANCH
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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

121 LAJES AB AZ

73-81

STATION	STATION NAME	YEARS													
HRS (LST)			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
20	MEAN		1021.71	1018.11	1019.01	1020.51	1021.81	1024.01	1025.31	1022.31	1021.91	1019.51	1019.71	1019.9	1021.2
	S.D.		10.4091	13.0541	15.0331	10.796	6.685	6.688	5.038	5.150	6.501	7.691	9.271	10.535	9.615
	TOTAL OBS		275	249	243	217	247	236	243	243	235	244	238	245	2915
4	MEAN		1021.31	1017.31	1018.71	1020.31	1021.31	1023.71	1024.71	1021.71	1021.31	1019.11	1019.41	1019.6	1020.7
	S.D.		10.3931	13.1481	13.761	8.841	6.596	6.594	5.090	5.142	6.488	7.867	9.358	10.652	9.324
	TOTAL OBS		273	251	240	217	245	237	245	246	237	242	236	246	2915
9	MEAN		1021.51	1018.11	1019.01	1020.51	1022.01	1024.31	1025.41	1022.41	1022.01	1019.41	1019.91	1020.0	1021.2
	S.D.		10.3271	12.9871	14.7151	10.752	6.510	6.676	5.063	5.148	6.291	7.956	9.242	10.723	9.579
	TOTAL OBS		273	253	244	220	247	237	246	247	236	243	237	243	2931
11	MEAN		1022.71	1019.01	1019.61	1021.01	1022.41	1024.71	1025.71	1022.61	1022.71	1020.21	1020.61	1021.2	1021.9
	S.D.		10.2491	12.9921	14.8311	10.721	6.457	6.632	5.079	5.115	6.316	7.967	9.462	10.493	9.556
	TOTAL OBS		270	253	246	217	246	240	246	240	234	248	239	246	2933
14	MEAN		1021.21	1018.11	1018.91	1020.71	1022.21	1024.51	1025.51	1022.61	1022.31	1019.51	1019.61	1019.6	1021.2
	S.D.		10.4191	12.8931	14.7761	10.731	6.511	6.714	5.081	5.127	6.251	7.823	9.565	10.620	9.623
	TOTAL OBS		277	249	246	217	242	238	246	247	232	248	238	244	2924
17	MEAN		1021.21	1017.81	1019.01	1020.21	1021.91	1024.31	1025.21	1022.01	1021.61	1019.31	1019.61	1019.6	1021.0
	S.D.		10.4571	12.6571	13.5101	10.835	6.391	6.627	5.027	5.116	6.300	7.685	9.184	10.409	9.355
	TOTAL OBS		277	249	245	219	245	239	245	243	237	245	238	247	2929
20	MEAN		1021.91	1018.51	1019.11	1020.51	1022.11	1024.31	1025.41	1022.31	1022.11	1019.91	1020.11	1020.2	1021.4
	S.D.		10.4761	12.6781	14.8031	10.992	6.389	6.672	4.937	5.035	6.393	7.450	9.311	10.560	9.517
	TOTAL OBS		277	253	245	219	245	236	246	243	238	246	235	243	2926
23	MEAN		1022.31	1018.81	1019.61	1021.11	1022.81	1024.91	1025.91	1022.81	1022.61	1020.21	1020.51	1020.8	1021.9
	S.D.		10.5571	12.8211	14.9071	10.858	6.452	6.631	4.904	5.117	6.501	7.585	9.345	10.407	9.555
	TOTAL OBS		271	247	244	217	245	236	245	245	234	244	235	246	2909
ALL HOURS	MEAN		1021.71	1018.21	1019.11	1020.61	1022.11	1024.31	1025.41	1022.41	1022.11	1019.61	1020.01	1020.1	1021.3
	S.D.		10.4081	12.8921	14.5301	10.577	6.501	6.651	5.030	5.122	6.385	7.751	9.337	10.545	9.522
	TOTAL OBS		2206	2004	1953	1743	1962	1899	1962	1954	1883	1960	1896	1960	23382

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 81/103	2. GOVT ACCESSION NO. AD-A113 227	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Lajes AB, Azores		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
		6. PERFORMING ORG. REPORT NUMBER															
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)															
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE 25 NOV 81															
		13. NUMBER OF PAGES p. 400															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) UNCLASSIFIED															
15a. DECLASSIFICATION DOWNGRADING SCHEDULE																	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.																	
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES Supersedes Rept. no. USAFETAC/DS-81/006, AD-A095 330.																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
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Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Lajes AB, Azores It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentqge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

* Azores

* Lajes AB, Azores

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.
Period of Record from Hourly OBS: Mar 71 - Feb 81.
Period of Record from Daily OBS: Jan 44 - Oct 45, Oct 46 - Jan 50.
Mar 50 - Feb 81.

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